



An ISO 9001:2015 PORT

**MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT**

e-TENDER NOTICE No. CE/N-28/2019

e- TENDER No. CE/29/2019

FOR

**Name of work: "Maintenance and upkeep of Water Supply System
AMC 2019-20"**

<https://eprocure.gov.in/eprocure/app>

Due at 15.00 hrs on 15.07.2019

MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

E-TENDER No. CE/29/2019

**MAINTENANCE AND UPKEEP OF WATER SUPPLY SYSTEM
(AMC 2019-20)**

COVER NO. 1 (TECHNICAL BID)

1. Notice inviting Online Tender
2. Instruction for online submission
3. Tender Notice
4. Form of Tender.
5. Appendix – I.
6. Additional Instructions to Tenderers.
7. Additional General Conditions of Contract.
8. Main Scope of work
9. Directions To Tenderers For Filling the Schedule Of Quantities & Rates.
10. Vendor Registration Form
11. BOQ for view only.

MORMUGAO PORT TRUST,
ENGINEERING CIVIL DEPARTMENT,
MAIN ADMINISTRATIVE OFFICE BLDG,
HEADLAND, SADA, GOA.

Cover No. II

1. Bill of Quantities (Excel format to be filled up only online)



An ISO 9001:2015 PORT

MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

e- PORTAL NOTICE INVITING ONLINE TENDER

e - TENDER NO: CE/29/2019

**e – tender for “MAINTENANCE AND UPKEEP OF WATER SUPPLY SYSTEM
(AMC 2019-2020)”**

Closing Date 15.07.2019 at 15.00 Hrs

For further details log on to: <https://eprocure.gov.in/eprocure/app>

CHIEF ENGINEER



An ISO 9001:2015 PORT

MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

NOTICE INVITING ONLINE TENDERS (NIOT)

Details about tender:

Tender inviting	CHIEF ENGINEER, MORMUGAO PORT TRUST	
e - Tender No.	CE/29/2019	
Name of Work	e-tender for “MAINTENANCE AND UPKEEP OF WATER SUPPLY SYSTEM (AMC 2019-2020)”	
Estimated Cost	Rs.25,53,076/-	
Bidding Type	Open (e-tender mode only)	
Bid Call (Nos.)	One	
Tender Currency Type	Single	
Tender Currency Settings	Indian Rupee (INR)	
Joint Venture	Not Allowed	
Tender Cost	Rs. 2000/-	ModeOf Payment: e-payment only
EMD Cost	Rs. 38,300/-	
Payment of Tender Fee & EMD	<p>The Tender fee and EMD shall be paid in e-payment mode only, before the due date and time of the tender. Mode of Payment towards Tender Cost, & Earnest Money Deposit (EMD) to be paid online through e-Payment mode via :</p> <ul style="list-style-type: none"> i. National Electronic Fund Transfer (NEFT) / Real-Time Gross Settlement (RTGS). Tenderer requires download pre-printed Chalan towards credit of MPT available on e-tender website and make its payment through any of their Bank. ii. Internet Payment Gateway (Debit/ Credit Card of type VISA, MASTERCARD or RuPay. iii. Net Banking: Payment can be made through the Internet Banking of Any Bank. <p>Note:</p> <ul style="list-style-type: none"> 1. Any Payments made through NEFT/RTGS will take 24 hours for its reconciliation. Hence the payments through NEFT/RTGS should be made at least TWO BANK WORKING DAYS in advance 	

	<p>before any due date and upload the scanned copy of challans in the e-Tender website as a token of payment.</p> <p>2. Exemption towards EMD is allowed provided copy of MSME or letter issued by Port is uploaded along with tender,</p> <p>3. No exemption is allowed towards tender cost</p>
Security Deposit	EMD plus 5% of contract value
Retention Money	5% of the contract value shall be retained from the running bills.
Contract Period	12 months
Qualifying Criteria :	<p>PRE-QUALIFICATION CRITERIA / BIDDING CONDITION</p> <p>(A) Financial Criteria The average annual turnover during the last three years ending 31st March 2019 of the tenderer should be at least Rs. 7.66 lakhs.</p> <p>(B) Technical Criteria The firm shall have successfully completed the similar works during the last seven years either of the following</p> <p>i) Three similar works each costing not less than Rs. 10.21 lakhs (40% of estimated value put to tender) OR</p> <p>ii) Two similar works each costing not less than Rs. 15.32 lakhs (60% of estimated value put to tender) OR</p> <p>iii) One similar works costing not less than Rs. 20.42 lakhs (80% of estimated value put to tender)</p> <p>NOTE: Similar works means “repairs/maintenance of existing water pipelines/laying new water supply pipelines etc.”</p> <p>Note : The Tenderer shall upload following specific document for fulfilling the eligibility criteria as documentary proof for</p> <p>a) Financial Criteria- Profit & Loss account, Income tax Returns/ Audited statement of Accounts duly authenticated by Chartered Accountant.</p> <p>b) Technical criteria- Copy of work orders and performance/completion certificate for the works carried out/ completed successfully on similar works stating clearly the year of execution of work and the value of work.</p>

Last Date & Time for uploading Bids	15/07/2019 at 15.00 Hrs.
Bid Opening Date	Technical Bid (Cover-I) will be opened on 16/07/2019 at 15.30Hrs. Date of opening of price bid (Cover-II) shall be notified after scrutiny and evaluation of Technical Bid.
Bid Validity	120 days from the last date fixed for receiving the tender.
Online Documents required to be submitted by scanning	a. Copy of documents viz. Work Order, Completion certificate with performance, Financial Turnover, Auditor's report, Balance sheet, P/L account statement etc. Financial Turnover Certificate as at Appendix-II. b. Entire Tender document.
Address for communication:	Chief Engineer, Office of Chief Engineer, Engineering (Civil) Dept., Mormugao Port Trust, A.O. Bldg, Headland Sada, Mormugao, Goa – 403804.
Contact Details	<p>For Tender related queries --- Phone :0832 – 2594605 / 2594610; For e-Tendering help contact:</p> <p>The Help Desk will be your first point of contact at NIC. Telephone: For any queries, please call 24 x 7 Helpdesk No.: 0120-4200462, 0120-4001002, 0120-4001005, 0120-6277787</p> <p>Email: Kindly send your Technical queries to cppp-nic@nic.in</p> <p>Note- Bidders are requested to kindly mention the URL of the Portal and Tender Id in the subject while emailing any issue with the Contact details. For any issues/ clarifications relating to the tender kindly contact Email: etenders@mptgoa.gov.in</p>
Website	https://eprocure.gov.in/eprocure/app

Format and Signing of Bid

The Price Bid to be submitted on-line shall be signed digitally by a person or persons duly authorized to sign on behalf of the Bidders. The Bid shall contain no alternations additions, except those to comply with instructions issued by the Employer.

INSTRUCTIONS FOR ONLINE BID SUBMISSION

- l) Bidders to follow the following procedure to submit the bids online through the e-tender site <https://eprocure.gov.in/eprocure/app>
1. Bidder should do the registration in the tender site using the „Vendor Registration” link available on home page.
 2. Then the Digital Signature of SIFY/TCS/nCode or any Certifying Authority is to be registered after logging into the site.
 3. Bidder can use Document Library menu to upload technical documents in advance as required for various tenders and use them during bid submission. This will facilitate the bid submission process by reducing time.
 4. Bidder may get the tenders published documents in Tender free view link in home page and download the required documents/tender schedules by free of cost for read only.
 5. Bidder then login into the site using the secured log in by giving the user id/password chosen during registration and password of the DSC/e-token.
 6. Only one DSC should be used for a bidder and should not be misused by others.
 7. Bidder should read the tender schedules carefully and submit the documents as asked, otherwise, the bid will be rejected.
 8. If there are any clarifications, this may be obtained using clarifications or during the pre-bid meeting. Bidder should take into account of the Addendum/Corrigendum’s published before submitting the bids online.
 9. Bidder must fill the bid documents to be submitted as indicated in the tender schedule and they should use the uploaded format in website.
 10. Bidder should prepare the EMD and tender fee as specified in the tender in the NIOT. However, e-payment of Tender Fee and EMD shall confirm the opening of the Technical Bid of the respective firms.
 11. Bidder selects the tender which he is interested using Tender search option initially the tender will be available in vendor unapplied stage.
 12. From vendor unapplied stage Bidder has to request the tender document by clicking on Request tender form level-1 icon.
 13. After requested the tender, same will move to vendor In progress.
 14. The bidder has to select ‘Edit Attachment Level 1’ icon under action menu of particular tender.
 15. The Bidder has to enter the password of the DSC/e-token and the required bid documents have to be uploaded one by one as indicated.

16. The vendor has to quote the rates in provided excel sheet (BOQ) by filling the highlighted in blue color cells and should be updated. The BOQ document, if found modified by the bidder, his bid will be rejected.
17. The tendering system will give a successful bid updation message & then a bid summary will be shown with the bid no. & the date & time of submission of the bid with all other relevant details. The bidder has to submit the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid will be rejected.
18. The bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid.
19. The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening date.
20. For any clarifications with the Tender Inviting Authority (TIA), the bid number can be used as a reference.
21. Bidder should log into the site well in advance for bid submission so that he submits the bid in time (i.e.) on or before the bid submission time. If there is any delay, due to other issues, bidder only is responsible.
22. Each document to be uploaded online for the tenders should be less than 5 MB and BOQ and Technical bid should be less than 2 MB. If any document is more than 5 MB, it can be reduced by scanning at low resolution and the same can be uploaded.
23. The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. The bidder should follow this time during bid submission.
24. All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening.
25. The confidentiality of the bids is maintained since the secured Socket Layer 128 bit encryption technology is used Data storage encryption of sensitive fields is done.
26. Any documents that are uploaded to the server are subjected to symmetric encryption using a generated symmetric key. Further this key is subjected to asymmetric encryption using buyer's public keys. Overall, the submitted tender documents become readable only after the tender opening by the authorized individual.
27. Tenderer is required to submit their tender through online in the form of Two cover system on or before due date of closing time. The tender received after the due date and time will not be entertained.

28. Tender Document can be submitted online only in the designated two cover system on the e-tender website www.tenderwizard.com/MPT on or before the due date and time.

Tenderer should submit the tender as per specification indicated in BOQ and accordance with the Instructions to Tenderers, Tender Information Sheet, General Conditions of Contract and Special Conditions of Contract, etc.

29. **Technical Bid (Cover-I)** : The tenderer shall upload in the e-portal website, in the form of scanned copy, documents required as per Pre-Qualification Criteria, Test of Responsiveness and other Appendix (Form of Tender, Annual Financial turnover, Power of Attorney etc.) as specified in the Tender.
30. **Financial Bid (BOQ) – (Cover-II)**: Price should be quoted in Online “BOQ”. Price should be quoted in a spread sheet file (.xls format) available in e- tender portal only. Any indication of „Quoted price” in the online technical bid documents shall be lead to rejection of the bid outright. For evaluation purpose, the uploaded offer documents will be treated as authentic and final. The price bid submitted through e-tender mode only will be taken up for the purpose for evaluation.
31. Other conditions:
- a. There are no significant inconsistencies between the proposal and the supporting documents.
 - b. The Port Trust reserves the right to reject any tender which in its opinion is non-responsive and no request for alteration, modification, substitution or withdrawal shall be entertained by the Port Trust in respect of such Tenders.
 - c. The Port Trust would have the right to seek clarification on Technical conditions wherever necessary.
 - d. Since the tender involves selection based on pre-qualification criteria and technical specification, the **Chief Engineer** will examine and seek clarification if any and list out the firms, which are found technically suitable and **Cover – II(Financial Bid)** of such tenders only will be opened and EMD will be returned to the disqualified tenderers.
 - e. The date and time will be intimated to tenderers whose offers are found suitable and **Cover – II** of such tenderers will be opened on the specified time and date.



An ISO 9001:2015 PORT

MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT
TENDER NOTICE NO. CE/N-28/2019

Sealed tenders in two cover system are invited on Percentage Rate Basis from the contractors Registered with Engineering Civil Department (MPT)/PWD/CPWD/ Railways/ Central/State Govt., GSIDC, etc. Unregistered Contractors also can apply for tender subject fulfilling the Eligibility criteria and the conditions given below.

Sr. No.	Tender No.	Name of work	Cost of tender document (non-refundable) By E-Payment	Estimated cost of work put to tender	E-tender from and to
1	CE/--/2019	Class of contractor eligible to tender	Earnest money deposit by E-Payment	Period of contract	Date of opening of tender
		“Maintenance and upkeep of water supply system (AMC 2019-2020)”	Rs. 2000/-	Rs.25,53,076/-	04/072019 to 15/07//2019 at 15.00 hrs
		As per eligibility criteria stipulated below	Rs. 38,300/-	300 working days (excluding Sundays and public Holidays)	16/07//2019 at 15.30Hrs.

PRE-QUALIFICATION CRITERIA / BIDDING CONDITION

A) Financial Criteria

The average annual turnover during the last three years ending 31st March 2019 of the tenderer should be at least Rs. 7.66 lakhs.

B) Technical Criteria

The firm shall have successfully completed the similar works during the last seven years either of the following

iv) Three similar works each costing not less than Rs. 10.21 lakhs
(40% of estimated value put to tender)

OR

v) Two similar works each costing not less than Rs.15.32 lakhs
(60% of estimated value put to tender)

OR

vi) One similar works costing not less than Rs. 20.42 lakhs
(80% of estimated value put to tender)

NOTE: Similar works means “repairs/maintenance of existing water pipelines/laying new water supply pipelines etc.”

Note : The Tenderer shall upload following specific document for fulfilling the eligibility criteria along with documentary proof for

a) Financial Criteria- Profit & Loss account, Income tax Returns/ Audited statement of Accounts duly authenticated by Chartered Accountant.

b) Technical criteria- Copy of work orders and performance/completion certificate for the works carried out on similar works stating clearly the year of execution of work and the quantum of work.

1. E-tender consisting of the Tender Notice, Additional Instructions to Tenderers, Special Conditions of Contract, Schedule of Quantities and Rates and Form of Tender may be uploaded with e-payment or Demand draft/cash of Rs.2000/- towards the tender cost which sum will not be refunded.

A printed set (Vol-I) issued to the contractors contains instructions to tenderers, General and Special Conditions of Contract, General Specifications forms an integral part of the tender documents.

2. E-Tender along with required documents to be uploaded online.
3. The proposed work mainly comprises of :

SCOPE OF WORKS

- Excavation in loose soft soil, dense or hard soil, soft rock, hard rock etc.
- Cement Concrete (1:2:4), (1:3:6)
- Constructing masonry using precast cement concrete blocks
- Providing and fixing G.I. pipes 12/15mm, 25mm, 40mm, 50mm, 80mm dia and 100mm. and dismantling of old pipes
- Providing and fixing PPR pipe connection for 20mm, 32mm, 50mm/63mm pipe
- Providing and fixing C.P.V.C pipes 12/15mm, 20mm, and dismantling of old/ damaged pipes as directed.
- Providing APVC/ UPVC pipe 12/15mm, 20mm, 25mm, 32mm, 40mm and 50mm
- Providing APVC/UPVC ball valve of 15mm, 20mm, 32mm, 40mm and 50 mm
- Providing and fixing water meters of size 12/15mm, 25mm, 50mm dia and 100 mm.
- Providing and laying C.I socket and spigot /flanged pipes 80mm, 100mm, 150mm
- Providing lead joints to C.I. pipes 80mm, 100mm, 150mm dia.
- Providing tyton joints to C.I pipes 80mm, 100mm, 150mm dia.
- Providing flanged joints to cast iron pipes and specials for 80mm, 100mm and 150 mm dia pipes
- Providing and fixing CI, sluice valve of 80mm, 100mm and 150mm
- Fabrication and erection of structural steel work.
- Plastering with C.M (1:5) in single coat.
- Painting iron/metal work with two coats of synthetic enamel paint over a coat of red oxide.
- Cleaning of open well.
- Soling with hard laterite
- Providing and laying CI specials and MS specials
- Supply of labours with tools/without tools
- Supply of plumbers, Masons and carpenters
- Supply and fixing HDPE water storage tank
- Fixing of water storage tanks
- Providing GM wheel valve 25 mm, 50mm
- Providing 100mm dia GI long bend
- Repairing foot valves of 2" dia and 4" dia
- Replacing foot valves of 2" dia and 4" dia.
- Repairing foot valves of 6" dia
- Repairing foot valve 250 mm dia
- P/L flanged joints to G.I. pipes
- Weeding of vegetation
- Credit for taking away removed GI pipes of various sizes
- Credit for taking away removed old submersible pumps
- Periodic cleaning of water tanks
- Periodical cleaning of R.C.C/HDPE over head water tanks
- Painting a board base size of 40 cms x15 cms
- Letter painting/numbering on water tanks, chamber covers etc.
- Providing and fixing CP bib cock/Pillar cock/angle cock/concealed stop cock/waste coupling, etc.
- Providing and fixing wash basin/ PVC flushing cistern /PVC flexible pipe etc.
- Providing and fixing brass float valve 25mm and 50 mm dia mm dia

- Providing and fixing PVC pipe 32mm dia for kitchen outlet
- Supply and installation of 5 HP submersible motor
- Supply and installation of 7.5 HP submersible motor
- Supply and installation of 50 mm dia HDPE pipe
- Setting of drill equipment for flushing of bore well
- Repairs to existing bore wells, etc
- Transportation of small plumbing fixtures/fittings, flexible pipes, pumps etc, including transportation of Departmental Fitters, staff's at various point of work with 4-wheeler vehicle.
- Providing and fixing C.I. foot valve of size 200mm/8" dia., etc

NOTE : The above works shall be carried out under the supervision and to the entire satisfaction of the Chief Engineer or his representative.

4. The Earnest Money Deposit (E.M.D.) payable in respect of the tender is **Rs. 38,300/-** (Rupees Thirty eight thousand three hundred only), and E.M.D should be paid on e-payment basis or Demand Draft/Cash.
- a) E.M.D. of the Tenderers excepting first three lowest tenders will be refunded to Contractors. Contractors are requested to contact the Asst. Engineer (Accts), Chief Engineer's Office. Main Administrative Office, Mormugao Port Trust for claiming such refund along with copy of original receipt issued by this office.
- b) Contractors may submit the following information in order to refund the EMD'S/Bank Guarantee/ Security Deposit/ Retention Money, payments of bills etc.
- Name of Bank.
Place.
Account No.
Type of Account
PAN.
EPF No.
ESIC No
GST Registration
WCT registration
- No fresh correspondence in this regard will be made.
- c) EMD of the other tenders i.e. any two among the first three lowest Tenders will be refunded to them only after acceptance of work order by successful tenderer. E.M.D. of successful contractor will be retained towards Security Deposit.
- d) Security Deposit: EMD shall be converted as security deposit
- e) Retention money at 10% of work done to be deducted from the running account bills at 10% of each running bill till the entire security deposit of 10% of value of contract are recovered.
- f) The entire amount of 10% of the value of the contract may be paid in Demand Draft /Pay Order at the time of acceptance of tender.

Note:

- i) The Retention Money along with Security deposit will be released only after completion of defect liability period.
- **In case the Tenderer desire to quote premium of cost of work put to tender more than 15%, the Tenderer will have to give the rate analysis for any or all the item of work on demand.**
5. Conditional tenders are liable for rejection
 6. Tenders submitted will remain open for acceptance for a period of **120** days from the date of opening of tenders.
 7. Completion period for the subject work is 300 working days (excluding Sundays and public holidays) from the date of receipt of pre-acceptance letter/work order or release of site whichever is later.
 8. Counter conditions stipulated in completion period by Contractor will not be considered. Tenders with counter condition are likely to be rejected summarily without assigning any reason thereof.
 9. Time is the essence of the contract and work has to be completed on given time.
 10. The tenderers are strongly advised to inspect the site of work and acquaint themselves with site conditions, nature and quantum of work involved etc. before tendering. Such an inspection can be arranged in consultation with the Executive Engineer(AC) Tel. No. 2594610.
 11. All query related to if any to be get informed prior to uploading of tender.
 14. The Tenderers must not quote counter conditions involving extra expenditure. The Tenderers should refrain from sending revised or amended offers after the closing date of the tender. The Chief Engineer reserves the right to reject such offers without assigning any reasons thereof.
 15. The signed copy of unloaded E-tender“**Maintenance and upkeep of water supply system (AMC 2019-2020** “to be submitted immediately after receipt of the e-mail addressed the Chief Engineer, Engineering (Civil) Department, Mormugao Port Trust Headland. Sada, Goa-Pin: 403804.
 16. The Chief Engineer and Board of Trustees reserve the right to reject any or all the tenders received without assigning any reasons thereof.
 17. Unsigned tenders will not be considered.
 18. Sales Tax, Income Tax etc. as applicable from time to time shall be deducted from the amount payable to the Contractor at source. Under no circumstances taxes so deducted shall be reimbursed to the contractor.
 19. The Contractor should comply with the provision of the Building and Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996.and EPF & ESI relevant Act.
 20. Further details can be had from the office of the undersigned at the New Administrative Office Building of MPT at Headland, Sada.

21. GST registration for the bidder is mandatory. Bidder has to enclose attested copy of **GST** Registration no along with the Tender. **GST** has to be claimed extra as applicable while submitting the Bill/bills.
22. Unregistered Vendors under **GST** have to submit Declaration that GST is not applicable to him, due to turnover of less than 20 Lakhs.

CHIEF ENGINEER



MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

TENDER No. CE/29/2019

**MAINTENANCE AND UPKEEP OF WATER SUPPLY SYSTEM
(AMC 2019-20)**

TENDER NOTICE NO. CE/N-28/2019

- 1.1 E-Tenders are invited on behalf of Mormugao Port Trust (MPT), from experienced tenderers who are fulfilling the Minimum Eligibility Criteria (MEC) as detailed at clause 1.5.1 of the tender document for the work of “**Maintenance and upkeep of water supply system (AMC 2019-20)**”.
- 1.2 Bidder is required to submit their tender offer in the form of two cover system on or before due date (Refer NIOT). The time of opening of technical bid is as indicated at NIOT.
- 1.3 The Notice Inviting Online E-Tenders (NIOT) issued by MPT forms part of the Tendering Documents.
- 1.4 The Bidders shall make his all-out effort to ensure the correctness of Documents available on the Website. MPT is not responsible for the completeness or correctness of the Tendering Documents and their addendum, if they were not obtained directly from MPT.
- 1.5 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Tendering Documents. Failure to furnish all information or documentation required by the Tendering Documents may result in the rejection of the Tender.

1.5.1. MINIMUM ELIGIBILITY CRITERIA (MEC)

(A) Financial Criteria

The average annual turnover during the last three years ending 31st March 2019 of the tenderer should be at least Rs. 7.66 lakhs.

(B) Technical Criteria

The firm shall have successfully completed the similar works during the last seven years either of the following

- i) Three similar works each costing not less than Rs.10.21 lakhs
(40% of estimated value put to tender)
OR
- ii) Two similar works each costing not less than Rs.15.32 lakhs
(60% of estimated value put to tender)
OR
- iii) One similar works costing not less than Rs.20.42 lakhs
(80% of estimated value put to tender)

NOTE: Similar works means “repairs/maintenance of existing water pipelines/laying new water supply pipelines etc.”

Note: The Tenderer shall upload following specific document for fulfilling the eligibility criteria as documentary proof for

- a) Financial Criteria- Profit & Loss account, Income tax Returns/ Audited statement of Accounts duly authenticated by Chartered Accountant.
- b) Technical criteria- Copy of work orders and performance/completion certificate for the works carried out/ completed successfully on similar works stating clearly the year of execution of work and the value of work.

1.6 LAST DATE FOR SUBMISSION OF TENDER

The final date of submission is as indicated at the NIOT.

MPT may at its sole discretion reserves the right to extend the date for receipt of tender. Tenders received after the aforesaid time and date or the extended time and date, if any, shall be summarily rejected.

1.7. BIDDER TO INFORM HIMSELF FULLY

- a. The Bidder is expected to examine carefully the contents of the tender document like Instructions to the Bidders, General Conditions, Special Conditions, Scope of work, Technical Specification etc. Failure to comply with the requirements of the tender will be at the Bidder's own risk. It would be deemed prior to the uploading of the tender that the Bidder has made a complete and careful examination of requirements and other information set out in the tender document including inspection of site.

- b. The Bidder is advised to get acquainted himself with the job involved at the site, like availability of labour, means of transport, communication facilities, laws and bye laws in force from Government of Goa and Govt. of India and any other Statutory bodies as well as MPT regulation for the issue of passes and collect all information that may be necessary for preparing and submitting the tender and entering into Contract with MPT.
- c. Bidder shall bear all costs associated with the preparation and uploading of his tender and MPT will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the tendering process.

1.8. EARNEST MONEY DEPOSIT (EMD)

- a. The Bidder shall furnish as part of its Tender, an **EMD of Rs. 38,300/- (Rupees Thirty Eight Thousand three hundred only)**. Tender without EMD shall be treated invalid. The **E.M.D.** shall be in the form of **e-payment** only as indicated at the NIOT.
- b. In the event of Bidder withdrawing his tender before the expiry of tender validity period of **120 days** from the date of opening of technical bid, the tender submitted by the Bidder shall be cancelled and EMD shall be forfeited.
- c. The Earnest Money Deposit of unsuccessful Bidders shall be returned on award of Contract to the successful Bidder. No interest shall be payable on the amount of E.M.D in any case. The Earnest Money Deposit of the successful Bidders shall be refunded only on receipt of Security Deposit as stipulated in the tender.
- d. MPT reserves the right to forfeit the **Earnest Money Deposit** in respect of successful Bidder, if he fails to commence the work as specified in **specific Work Order**.

1.9. MPT'S RIGHT TO ANNUL THE BIDDING PROCESS

- a. Notwithstanding anything contained in this tender document, MPT reserves the right to annul the bidding process at any time without any liability or any obligation for such annulment, without assigning any reason.
- b. MPT reserves the right to invite revised Technical bids with or without amendment of the tender

document at any stage, without liability or any obligation for such invitation and without assigning any reason.

- c. MPT reserves the right to reject any Tender if at any time, a material misrepresentation is made or uncovered OR the Bidder does not respond promptly and thoroughly to requests for supplemental information required for the evaluation of the tender.

1.10. TENDER VALIDITY

The tender shall remain valid for acceptance for a period of **120 days** from the date fixed for opening of Technical Bid. MPT reserves the right to extend the period of validity for a specific time. The request and the response, there to, shall be made in writing by post or by Fax/E-mail. However, in the event of the Bidder agreeing to the request, he shall not be permitted to modify his tender. In the event of the Bidder agreeing to the extension, the Bidder shall correspondingly extend the validity of the tender suitably against this Tender. In case Bidders do not agree to extend the validity of their offer beyond the validity period, EMD of such Bidders shall be refunded after award of the contract.

1.11 TENDER OPENING, SCRUTINY AND EVALUATION OF TECHNICAL BID

Tender that is substantially responsive is that which conforms to the preceding requirements without material deviation or reservation. A material deviation or reservation is one (1) which affects in any substantial way, the scope, quality, or performance of the Bidder, or (2) which limits in any substantial way, inconsistent with the Tender document, or (3) whose rectification would affect unfairly the competitive position of other Qualified Applicant presenting substantially responsive bids

Since the tender involves selection based on Minimum eligibility criteria, test of responsiveness and technical specification, the Chief Engineer will examine and seek clarification if any and list out the firms, which are found responsive and **Schedule of Rates and Quantities/BOQ** of such tenders only will be opened and EMD will be returned to the unresponsive Bidders..

The date and time will be intimated to Bidders whose offers are found suitable and **Schedule of Rates and Quantities/BOQ** of such Bidders will be opened.

After the tender opening, the whole process involving scrutiny, clarifications, evaluation and

comparison of tenders and recommendations regarding award of Contract shall be confidential. Any efforts on part of any Bidder to influence the Port Trust in any way in the process of scrutiny, evaluation, comparison of tenders and decision concerning award of Contract may result in rejection of the Bidders bid.

To assess the scrutiny, evaluation and comparison of tenders, the Port Trust may ask Bidder individually for clarifications. Request for clarification and response thereto, shall be in writing or through e mail followed by post or through speed post. No change in Price or substance of the tender shall be sought, offered or permitted nor is the Bidder permitted to withdraw the tender before the expiry of the validity period of the tenders in the process of clarifications.

1.12 OPENING OF FINANCIAL BID (BOQ)

The date of opening of the BOQ will be intimated to the bidder who will qualify for technical cover. Price should be quoted as per BOQ.

1.13 EVALUATION OF FINANCIAL BID

- a. The price offered should be firm and inclusive of all taxes & duties except Goods and Service Tax which will be paid extra as applicable. **The Bidder shall pay at his cost for any new tax & duties imposed by State/Central Govt.**
- b. MPT will evaluate and compare only those bids, which are substantially responsive.
- c. The price quoted by the Bidders shall be considered for the purpose of evaluation and comparison.
- d. In arriving at the final evaluated prices of the Tenders, any uncalled for lump sum/percentage/or adhoc reduction, if any, offered by the Bidders, in the Schedule of Prices shall be considered for the purpose of evaluation. However, if such reduction/rebate is from the recommended Bidder, then such rebate shall be taken into account while awarding the work.
- e. In arriving at the final evaluated prices of the bidders, evaluation of offer will be based on the lowest price quoted.

1.14 MPT'S RIGHT TO ACCEPT OR REJECT A BID

MPT reserves the right to accept a Bid other than the lowest and to accept or reject any Bid in whole or part, to annul the bidding process or to reject all Bids with or without notice or reasons. Such decisions by MPT shall bear no liability whatsoever consequent upon such decisions.

1.15 **AWARD OF CONTRACT**

The Bidder, whose Bid is accepted by MPT shall be issued **Work Order (Letter of Acceptance/Purchase Order)** prior to expiry of Bid validity. Bidder shall confirm acceptance by returning a signed copy of the **Work Order (Letter of Acceptance/Purchase Order)**. MPT shall not be obliged to furnish any information/clarification/ explanation to the Contractors as regards non-acceptance of their Bid.

1.16 The e-tender set consisting of the Tender Notice, Additional Instructions to Tenderers, Special Conditions of Contract, Schedule of Quantities and Rates and Form of Tender.

1.17 A printed set (Vol-I) issued to the contractors contains instructions to tenderers, General and Special Conditions of Contract, General Specifications forms an integral part of the tender documents.

1.18 The proposed work mainly comprises of: Execution of various water supply /Civil Engineering works as and when the requirement is given by issuing specific work/purchase orders or site notes during the period of contact of **12 months**. Value of each specific purchase orders may not exceed **Rs.5.00 Lakhs**.

The work is to be carried out as described in Schedule of Quantities & Rates attached herewith to this tender and as directed.

1.19 The **Earnest Money Deposit (E.M.D.)** payable in respect of the tender is **Rs. 38,300/- (Rupees Thirty Eight Thousand three hundred only)**, and E.M.D should be made in e- payment.

Contractors may submit the following information in order to refund the **EMD'S/Bank Guarantee/ Security Deposit/ Retention Money**, payments of bills etc.

- a. Name of Bank.
- b. Place.
- c. Account No.
- d. Type of Account
- e. PAN.
- f. EPF No.
- g. ESIC No
- h. GST Registration

No fresh correspondence in this regard will be made.

EMD of the other tenders i.e. any two among the first three lowest Tenders will be refunded to them only after acceptance of work order by successful tenderer. E.M.D. of successful contractor will be retained towards Initial Security Deposit, and shall be paid if contractors opt to submit the ISD in the form of BG of the Schedule Bank for full amount mentioned below.

1.20 SECURITY DEPOSIT

The Security Deposit shall be 5% of the Contract Value.

- a. **Security Deposit (S.D.)** shall be 5% of the contract value and shall be paid by the contractor in the form of Demand draft or Banker's cheque.
- b. **Retention Money (R.M)** equivalent to 5% of the Contract Value and the sum shall be recovered at the rate of 10% of the gross value of work certified under each bill .

The entire amount of 10% of the Contract Price as **Security Deposit** shall be paid by the Tenderer by Demand Draft/Bankers Cheque at any time of contract.

Upon successful completion of the free maintenance period (defect liability period) of the work and after issue of **Maintenance Certificate** by the **Chief Engineer**, the Chief Engineer and or Board of Trustees shall upon receipt of a written application, refund to the contractor, the said **Retention Money of 5% (five percent)** of the **Contract value (retained from the running bills)** plus Security Depositafter deducting there from the amount of Liquidated damages incurred if any and other claims outstanding against the contractor or for breach of contract. **The Security Deposit** referred above will be refunded after the expiry of the **free maintenance period (defect liability period)** and as soon as the conditions of contract have been fulfilled and upon contractor making an application therefore, after adjusting estimated/ actual expenditure by Mormugao Port Trust for rectification of defects and adjusting other amounts due if any for breach of the Conditions of Contract.

Note: The amount of liquidated damages expressed in the Tender Notice to be payable for delay in the performance of the contract has been arrived at on the fair estimate of the amount of loss likely to be sustained by the Trustees as a result (the delay in the performance of the contract).

- **In case the Tenderer desire to quote premium of cost of work put to tender more than 15%, the Tenderer will have to give the rate analysis for any or all the item of work on demand.**

1.21 Conditional tenders are liable for rejection

1.22 Tenders submitted will remain open for acceptance for a period of **120 days** from the date of opening of tenders.

1.23 Contract period for the subject work is **12 (Twelve) months** from the date of receipt of first Specific Work order/ Purchase Order or release of site for the first order whichever is later. **The Free Maintenance Period (Defect Liability Period)** shall be **12 months** or as specified in the Specific Work Order/Purchase Order for each work.**The Free Maintenance Period (Defect Liability Period)** shall not be applicable for **Item No: 69 to 86** of the **Schedule of Quantities and Rates** of the Tender document.

1.24 Counter conditions stipulated in completion period by Contractor will not be considered. Tenders with counter condition are likely to be rejected summarily without assigning any reason thereof.

- 1.25 Time is the essence of the contract and work has to be completed on given time. Occupied quarters painting to be carried out without much hindrance to the occupants.
- 1.26 The tenderers are strongly advised to inspect the site of work and acquaint themselves with site conditions, nature and quantum of work involved etc. before tendering. Such an inspection can be arranged in consultation with the **Executive Engineer**, Tel No: 2594610 or **Assistant Engineer(WS)**, Tel No.: 2594653.
- 1.27 The Tenderers must not quote counter conditions involving extra expenditure. The Tenderers should refrain from sending revised or amended offers after the closing date of the tender. The Chief Engineer reserves the right to reject such offers without assigning any reasons thereof.
- 1.28 The Chief Engineer and Board of Trustees reserve the right to reject any or all the tenders received without assigning any reasons thereof.
- 1.29 Income Tax etc. as applicable from time to time shall be deducted from the amount payable to the Contractor at source. Under no circumstances taxes so deducted shall be reimbursed to the contractor.
- 1.30 The Contractor should comply with the provision of the Building and Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996.and EPF & ESI relevant Act.
- 1.31 Further details can be had from the office of the undersigned at the New Administrative Office Building of MPT at Headland, Sada.
- 1.32 Goods and Service tax registration is mandatory.GST applicable shall be paid extra with running bills against the submission of Tax Invoice.

CHIEF ENGINEER



MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

E- TENDER No. CE/29/2019

MAINTENANCE AND UPKEEP OF WATER SUPPLY SYSTEM
(AMC 2019-20)

FORM OF TENDER

The Chief Engineer,
Mormugao Port Trust.

I/We _____ do hereby offer to execute the work comprised in the annexed Tender Notice “**Maintenance and upkeep of water supply system (AMC 2019-20)**” In strict accordance with the instructions to Tenderers, General conditions of Contract. Specifications etc at the Percentage Rate entered in the attached Schedule of Quantities and Rates.

2. I/We undertake to complete the work included in the Schedule of Quantities and Rates within 12 (twelve) months from the date of release of site work order. I/We also agree that this tender will remain open for acceptance until disposed off by the Trustees of Port of Mormugao. I/We have independently considered the question of the amount of loss or damage likely to result to the Trustees from the delay on my/our part in the performance of the contract and I/We agree that the liquidated damages at the rate of **0.5% of the contract value per week** or part thereof delay in work with respect to specific work order subject to a maximum ceiling at **5% of the contract price** represents a fair estimate of the loss likely to result from the delay.

3. I/We send herewith a sum of **Rs. 38,300/- (Rupees Thirty Eight Thousand three hundred only)** as a deposit or earnest money of my/our willingness to enter into the contract if my/our tender is accepted.

4. In the event of my/our tender being accepted, I/We agree to enter into a contract in the prescribed form with such alterations or additions thereto which may be necessary to give effect to the acceptance of this tender and such contract shall contain and give full effect to the Specifications, Schedule of Quantities and Rates attached to this tender.

5. I/We also, agree if awarded the contract that the earnest money lodged with this tender will be retained by the Board of Trustees towards Security Deposit and to make further deposit by **Demand Draft/ Bankers Cheque** in the favour of **FA&CAO, MPT**, Headland Sada payable at Vasco- Da- Gama, Goa,

6. I/We further agree, if awarded the contract, to lodge the **Retention Money** equivalent to **5%** of the contract value of my/our tender by way of deductions from my/our bills at the rate of **10%** of the gross value of work certified in each bill.

7. I/We agree to abide by this tender to be valid for the period of **120 days** from the date fixed for receiving/opening the same and it shall remain binding upon me/us and may be accepted any time before the expiration of that period.

8. I/We hereby certify that my/our registration certificate under the Goa Sales Tax on the transfer of property in goods involved in the execution of works Contract Act, 1985 is in force on the date on which the sale of goods specified in this bill/cash memorandum is made by me/us and the tax under the act will be, if payable, be paid before furnishing my/our returns under the Act.

9. I/We have inspected the site and I am/We are fully aware of the work to be carried out while tendering for the contract.

10. I/We request that early payment of 100% of the amount of interim bills be made from time to time in advance of such bills being audited.

11. *(A) Mine is a proprietary firm and I am the sole proprietor of the firm. My firm is/is not registered with Registrar of firms.

Name: _____
Age: _____ years

*(B) Ours is a partnership firm and the names of all major partners are given below:

	Name	Age
1.	_____	_____ years
2.	_____	_____ Years
3.	_____	_____ Years
4.	_____	_____ Years

We understand and confirm that if our offer is accepted, the contract will be entered into with the above-mentioned partners only and the Trustees will not recognize or deal with any minor partners or their guardians.

*(C) Ours in a Company with liability and a copy of our Memorandum and Articles of Association will be sent for perusal upon acceptance of our offer.

Proposed contract is intended to be signed by a duly constituted Attorney and original power of Attorney in his favour will be submitted for perusal immediately on acceptance of the tender.

The contract will be completed under the Company's Common Seal.

12. The Bank's Guarantee referred to in Para No.5 above will be from
** _____

13. I/We am/are registered for the purpose of Goa Sales Tax Act and my/our registration Certificate No. is _____

14. The name and address of our Banker is ** _____

15. I/we understand that the Board is not bound to accept the lowest or any tender you may receive and may reject the same (the lowest) or any other tender without assigning any reason therefore.

16 "I have read and understood the General Conditions and Specification of the work which are printed in Volume –I supplied to me by the Department which will form a part of tender and this shall remain binding on me ".

17 I /we have enclosed herewith the following copies of the documents as required under instructions to tenderers:-

- a) Organization Chart.
- b) List of similar works carried out by me/us.
- c) Bar Chart.
- d) List and description of main plant and equipments proposed to be used on this work.

(Note: a & b are not mandatory for registered Contractors with this department)



An ISO 9001:2015 PORT

MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

TENDER No. CE/29/2019
MAINTENANCE AND UPKEEP OF WATER SUPPLY SYSTEM
(AMC 2019-20)

APPENDIX - I

The following Clauses shall be read in conjunction with respective clauses of General Conditions of Contract.

S.N.	Particulars	Clause of G. C.	Details
1.	Amount of Initial Security Deposit and time	11(1)	Five percent of the Contract Value till the expiry of defects liability period.
2.	Period for commencement from the Chief Engineer's orders to commence.	38	As specified in each specific Work Order
3.	Contract period	40	12 months
4.	Amount of liquidated damages.	43	Calculated at 0.5% value of the contract per week of seven days, or part thereof subject to a ceiling of 5% value of the contract with respect to Specific Work Order
5.	Period of free maintenance/ defects liability period..	45(1)	12 months or as specified in specific work order
6.	Percentage of retention from each running account bill	54(1)	10% value of work done
7.	Total Retention Money	---	5% value of Contract value
8.	Total Security Deposit	11(1)	10 % value of the contract
9.	Minimum amount of interim Certificate.	54(1)	1st. & Final bill of each specific work orders
10.	Time within which payment to be made after contractor's submission of the bill.	54(4)	100% within 20 days of submission of bill on satisfactory completion of work and based on Joint Measurements
11.	Mobilization advance	69	Not applicable to this contract.
12.	Interest rate on Mobilization advance	69	Not applicable to this contract.
13.	Mode of recovery of Mobilization advance	69	Not applicable to this contract
14.	Variation in price of labour and materials	70	Not applicable to this contract
15.	Arbitration	66	Not applicable to this contract

16.	Minimum amount of third party insurance	Cl. No. 13 to 16 of Special Instructions of Contract	5% of the tender amount
-----	---	--	-------------------------



An ISO 9001:2015 PORT

MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

TENDER No. CE/29/2019

MAINTENANCE AND UPKEEP OF WATER SUPPLY SYSTEM
(AMC 2019-20)

ADDITIONAL INSTRUCTIONS TO TENDERERS

The instructions to the tenders shall be instructions to ‘Tenderers’ as modified or added to by the following Additional Instructions to Tenderers which shall be read and construed with the instructions to tenderers as if they were incorporated therewith.

In so far as any of the provisions in Additional Instructions to Tenderers may conflict with or be inconsistent with the instructions to Tenderers the Additional Instructions to Tenderers shall prevail.

1. Earnest Money:

No tender will be considered which is not accompanied by the Earnest Money Deposit (E.M.D.) for the sum stipulated in the tender notice which is lodged on the understanding that in the event of the tenderer withdrawing his tender before the expiry of **120 days** from the last date of submission of the tender document. (Whether or not the submitted tender(s). are opened or otherwise at the time of tenderer withdrawing his tender), the tender shall be cancelled and the Earnest Money (E.M.D) deposited by the tenderer forfeited to the trustees and if the tender is accepted the security Deposit (SD) mentioned in para 4 hereinafter will be furnished

2. Tenderers must fill in the space provided for, in the Schedule of Quantities and Rates stating in figures as well as in words at what percentage above or below the rates specified in the Schedule of Quantities and rates, they are willing to undertake the work.
Only one percentage Rate for all items of the Schedule of Quantities shall be quoted,

3. SECURITY DEPOSIT: 10% of Contract value

4. The entire work comprised in this contract is required to be completed within the period as described in the ‘Tender Notice’. No counter conditions as regards to completion period shall be quoted by the Tenderers.

5. The Chief Engineer and/ or the Trustees reserve the right to reject any tender without assigning any reasons or to accept any tender as a whole or in part and does not bind himself/ themselves to accept the lowest or any tender, No reasons will be assigned for the rejection of any tender.

6. If the Tenderers have not carried out any work for the Mormugao Port Trust in the past they shall submit along with the tender, a list of works carried out by them for Government or Public Bodies with their amount showing against each work indicative of its magnitude and their Bankers reference and their Sales Tax Returns.

7. Tenderers should refrain from sending revised or amended offers after the closing date of the tender.
8. **TENDERERS ARE STRONGLY ADVISED TO INSPECT THE SITE SO THAT THEY ARE FULLY AWARE OF THE NATURE OF SCOPE OF THE WORKS TO BE CARRIED OUT BEFORE TENDERING FOR THE SAME.**
9. Cost of testing of building materials and all the fixtures will be borne by the Contractor.
10. Tenderers should note the arrangements described in the tender document for prompt payments of bills.
11. The completion period will be specified in each specific work order. The free maintenance period will be specified in each Specific Work Order/Purchase Order.
12. Further particulars can be obtained from the office of the Chief Engineer, Mormugao Port Trust A.O. Building, Headland, Sada, during the office hours.
13. The works will be awarded as and when the need arises by a Specific Work Order/Purchase Order issued by the Chief Engineer or his representative.
14. **IN CASE OF EMERGENCY SUCH AS ANY TYPE OF BREAKDOWN OF PIPES ETC., SUCH AS ANY TYPE OF BREAKDOWN OF PIPES, THE WORK WILL BE AWARDED ON ISSUE OF SITE ORDERS/VERBAL/TELEPHONIC INSTRUCTIONS DEPENDING ON THE NATURE OF WORK ARISE AND THE WORK COMPLETED WILL BE MEASURED FOR ISSUE OF REGULARISING WORK ORDER.**
15. The works pertain to all the Port areas .
16. The work shall be started as stated in the specific work order from the receipt of the specific work order from the department. Liquidated damages will be levied as indicated in **Appendix –I**.
17. **THE EMERGENCY WORKS SUCH AS ANY TYPE OF BREAKDOWN REPAIRS ETC. SHALL BE COMMENCED WITHIN TWO HOURS AFTER THE ISSUE OF SITE ORDERS/VERBAL/TELEPHONIC INSTRUCTIONS & TO BE CONTINUED ROUND THE CLOCK SO AS TO COMPLETE THE SAME AT THE EARLIEST POSSIBLE TO RESTORE THE WATER SUPPLY DEPENDING ON THE NATURE/QUANTUM OF WORK. IN CASE OF FAILURE TO COMMENCE/ CARRY OUT THE WORK WITHIN STIPULATED TIME PERIOD, THE SAME SHALL BE CARRIED OUT BY ENGAGING DEPARTMENTAL LABOURS OR THROUGH SOME OTHER AGENCY ON THE RISK AND COST OF THE TENDERER WITHOUT ANY INTIMATION.**
18. The labour (male) (with/without tools & plants) supplied as per above **Item No: 49** should be healthy and energetic. The Plumber / Masons/Carpenter supplied as per the above **Item No: 51/52/53** should be competent, experienced, healthy and shall have the required tools and plants for execution of work. Payment under above Item No: 50 shall not be made, in case the labour supplied by the Tenderer is found not competent, not experienced, not healthy and not energetic.

19. The labour, Male (with tools & Plant) shall have the materials such as Pickaxe, Powda/Spade, Gamella, Koita, trowel, Chisel, hammer, rope, pipe wrench, screwdrivers, patties, screwpana, spanners, etc.
20. Required passes for entry of workers in the Port Areas shall be arranged by Tenderer at free of Cost well in advance prior to the day of execution of work or as instructed by the Port.
21. During monsoons, the contractor shall provide in advance Raincoats and Gumboots to his workers engaged for various works in the Port.
22. THE TENDERER SHALL INSPECT THE SITE AND FULLY STUDY THE NATURE OF WORK INVOLVED VIS-À-VIS THE QUANTITY AND SPECIFICATIONS, BEFORE TENDERING FOR THE WORK. NO CLAIM WILL BE ENTERTAINED REGARDING VARIATION IN THE QUANTITY. ANY CLARIFICATION IN THIS REGARD WILL BE GIVEN, IF REQUIRED, PRIOR TO SUBMISSION OF TENDER.
23. Watch and ward of all materials and equipment will be responsibility of the contractor and no claims will be entertained towards loss or damage to the contractor's materials and equipment's.
24. Tenderer shall provide all necessary tools and plants and protective devices safety measures etc. to the workmen as required.
25. No claim for the increase in rates quoted due to increase in cost of materials and labour during the currency of the contract will be entertained by the department.
26. THE RATES INDICATED IN THE SCHEDULE SHALL HOLD GOOD FOR ALL REPAIRS/REPLACEMENT/RENEWAL/NEW WORKS TO BE CARRIED INCLUDING IN PATCHES, BANDS AND MAKING GOOD FOR ALL BUILDING/SHEDS/STRUCTURES AND SERVICE FACILITIES LOCATED IN THE PORT AREA.
27. Storage arrangements for all materials and tools and plants shall be made by the contractors at his own cost.
28. Transportation, dumping and leveling of dismantled materials, such as pipes, old concrete, stone/brick machinery etc. shall be done by the contractor at his own cost within the distance of 3.00 Km. or as directed at site. In case of failure of shitting of materials from site immediately after completion of work the same will be carried out by engaging departmental labour or some other emergency at a risk & cost of the contractor.
29. The Tenderer should make arrangement to collect the Specific Work Order from Administrative office or AXEN (WS) office at Headland soon after receiving the telephonic call or verbal instructions.
30. The Tenderer& his representative should have easy contact access, by way of having their own mobile phones etc.The Contractor or his supervisor/ representative must report daily at the Maintenance Office at Headland Office to take instructions from this Office. In case of Sundays and Holidays, the Contractor or his supervisor/ representative must be present only if intimated by the Port. The Contract may be liable for termination if the Contractor or his supervisor/ representative has not reported at Maintenance Office during the above mentioned time period on more than 3 occasion.

31. Execution of work within the scheduled time mentioned in the specific work order/site order is the essence of this contract.
32. i. Reporting time of labour supplied as per **Item No. 49 to 53 of Schedule of Quantities and Rates**, shall be at Maintenance Office, Civil Engineering Department, Headland at **08.30 hrs** or at any time as instructed by the Port during the Day/and Night. In case the labour has not reported by **08.30 hrs.** or at any time as instructed by the Port during the Day/and Night, the Port shall engage labourers from SOME OTHER AGENCY ON THE RISK AND COST OF THE CONTRACTOR WITHOUT ANY INTIMATION.
ii. **Payment towards the different in the labours wages during the contract period, only on the supply of labours for item no 49 to 53 shall be paid separately bidders has to quote accordingly.**
33. The Tenderer should be in a position to arrange for materials required for emergency work on the spot without delay.
34. The cleaning of tanks as per **Item No. 69 to 86** of the **Schedule of Quantities and Rates**, shall be carried out depending on the availability of tanks & as and when handing over the tanks for cleaning by Water supply division. The cleaning work taken up should be completed on the same day. Before entering in to the water tank, the Contractor should take care of labourers cleanliness and hygiene. The date/ month of cleaning will be written on each tank in paint as instructed soon after the cleaning the tank. Further before taking up the cleaning of tank, the contractor shall program the work and intimate in advance to the occupants and also coordinate with the valve controller to avoid release of water during cleaning of tank.
35. For **Item No: 117** of the **Schedule of Quantities and Rates**, the Tenderer shall provide a **4-wheeler vehicle Jeep**, with **Driver** during Day / Night including Sundays and Holidays for transportation of small plumbing fixtures/fittings etc, including transportation of Port Staff as directed within **Port areas/ Vasco town limits of 6.00 Kilometer (KM)**. For transportation of Department Staff beyond **Vasco limits of 6.00 KM**, the Tenderer shall provide an **Air Conditioned 4-wheeler vehicle Jeep with driver**. The above **4-wheeler vehicle Jeep** shall not be more than **3 years old** and should be clean and maintained in good condition. The 4-wheeler vehicle Jeep shall be a Mahindra Bolero or equivalent and as approved by the Chief Engineer.
36. The entire cost of fuel, driver's charges /wages, maintenance of vehicle, etc. for transportation, shall be borne by the Tenderer at his cost. The free waiting period for usage of vehicle shall be **2.00 hrs. per day** in Port areas/ Vasco Town limits of **6.00KM** and **3.00 hrs.** for areas beyond **6.00KM** of Vasco Town limits. The driver of the vehicle provided for transportation shall be well mannered, energetic and healthy and shall not be in intoxicated condition. The driver should have valid driving Licence and wear proper uniform and shall not consume alcohol or smoke during transportation or in public places/ offices. The driver of the vehicle should have a mobile phone for communication.
37. The Tenderer shall provide the above 4-wheeler vehicle Jeep within **2.00 hrs.** on intimation by Site Order/ Verbal /Telephonic instructions. In-case the Tenderer fails to provide the 4-wheeler vehicle Jeep/car within **2.00 hrs.** on intimation by Site Order/ Verbal /Telephonic instructions, the Port shall arrange a 4-wheeler vehicle Jeep/car from other agency at risk and cost of the Tenderer without any intimation. In case of breakdown of the vehicle during transportation, the Tenderer shall arrange a vehicle for transportation within **15 minutes** from the time of breakdown of vehicle, failing which the Port shall arrange a vehicle from other agency at risk and cost of the Tenderer without any intimation.

38. The Tenderer may submit the following information in order to refund the EMD's /Retention Money / Security deposits. Payment of bill etc.:-
- (i) Name of the Banker with branch.
 - (ii) Type of Account and Account No.
 - (iii) MICR Code No:
- Quantities showed in schedule of quantities are approximate which may varies, depending upon the nature of works involved as per site condition. Also the quantities executed by the contractor in each item or more may lead to the total tendered amount.
39. The Tenderer should supply labours as per **Item No. 49 to 53**as and when call received by the Department including Sundays & Public Holidays etc. for which no extra payment will be entertained.
40. For repairs of foot valve at **Berth No:10**at **Item No: 118** of the **Schedule of Quantities and Rates** of the tender,the Tenderer has to make his own arrangements towards crane/hydra etc.
41. The electricity (power supply) and water required for carrying out repairs/fabrication worksfor watersupply systems in Port Areas shall be free of cost, subject to availability.

CHIEF ENGINEER



MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

TENDER No. CE/29/2019

MAINTENANCE AND UPKEEP OF WATER SUPPLY SYSTEM
(AMC 2019-2020)

ADDITIONAL GENERAL CONDITIONS OF CONTRACT.

1. The tender is on percentage rate basis. The quantities mentioned in the Schedule of Quantities and Rates are only approximate which may vary from lower to higher side depend on the nature of work but restricted to the total tender amount, and the Trustees are liable to pay for only such quantities of work as are actually executed.
 2. In the percentage rate quoted by the contractor shall be inclusive of Sales Tax, General Tax, Octroi, Excise Duty, Income Tax etc. and all other incidental charges that the tenderer may have to bear for the execution of the works.
 3. The Tenderer's should engage supervisory staff and he shall be fully experienced in the type of work to be carried out under their supervision.
 4. The contractor shall insure plant, machinery and workers employed by him during execution of work and submit necessary insurance policies to the Department.
- 5(a) without limiting his obligation and responsibilities under Clause 21 of G.C.C. (Vol.1). The contractor shall insure, at his cost, in the joint names of the Board and the Contractor against all loss or damage from whatever cause arising (other than the Excepted Risks) for which he is responsible under the term of the contract and in such manner that the Board and contractor are covered during the period of construction of the works and are also covered during the free of Maintenance period for loss or damage arising from a cause occurring prior to the commencement of the period of Maintenance and for any loss or damage occasioned by the contractor in the course of any operations carried out by him for the purpose of complying with his obligations under clause 45 of G.C.C. (Vol-1)
- (I) The Works are the Temporary works to the full value of such executed from time to time.
 - (II) The materials, Constructional Plant and other things brought on to the site by the contract to the full value of such materials, Constructional Plant and other things.
- 5(b) Such insurance shall be effected with an insurer and in terms approved by the Board and the contractor shall whenever required produce to the chief Engineer or the Chief Engineer's representative the policy or policies of insurance and the receipts for the payment of the current premium provided always that without limiting his obligations and responsibilities as aforesaid nothing in the clause contained shall tender the contractor liable to insure against the necessity for repair or reconstruction of any work constructed with material or workmanship not in accordance with the requirements of the contract

6 (a) Before commencing the execution of the works, the contractor but without limiting his obligations and responsibilities under clause 22 of G.C.C. (Vol. I) shall insure against any damage, loss or injury which may occur to any property (including that of the Board) or to any person (Including any employee of the Board) by or arising of the execution of the work or Temporary Work or in the carrying out of the contract otherwise than due to the matters referred to in the provision to clause 22(1) of G.C.C.(vol.1).

6 (b) Such insurance shall be effected with an insurer and in terms approved by the Board and for at least the amount stated in the Tender and the contractor shall whenever required produce to the Chief Engineer or the Chief Engineer's representative the policy or policies of insurance and the receipt for the payment of the current premia.

7. The Contractor shall insure against accident, injury etc. to workmen with an insurer approved by the Board and shall continue such insurance during the whole of the time any persons are employed by him on the works and shall when required produce to the Chief Engineer or the Chief Engineer's representative such policy of insurance and the receipt for payment of the current premia. Provided always that in respect of any persons employed by any sub- contractor, the contractor's obligation to insure as aforesaid shall be satisfied if the sub-contractor shall have insured against the liability in respect of such persons in such manner that the Board is indemnified under the policy but the contractor shall required such sub-contractor to produce to the Chief Engineer or the Chief Engineer's representative when required such policy of insurance and the receipt for payment of the current premia.

8. If the Contractor shall fail to effect and keep in force the insurance referred to in the above mentioned clauses hereof or any other insurance which he may be required to effect under the terms of the contract then and in any such case the Board may effect and keep in force any such insurance and pay such premium or premia as may be necessary for that purpose and from time to time deduct the amount so paid by the Board with interest as stated in Vol.1 as aforesaid from any money due or which may become due to the contractor or recover the same as debt due from the contractor.

9. The successful tenderer will have to submit within fortnight after receipt of the acceptance Letter a phased program of execution of different items of work.

10. SUPPLY OF WATER.

The contractor shall as far as practice having regard to the conditions, provide on the site to the satisfaction of the Chief Engineer's Representative, adequate supply of drinking water and other water for the use of the contractor's staff and workmen.

11. In case of any breakdown of water pipeline or any other water supply related works, the Contractor shall take up the repair works on urgent basis and complete the same on the same day to restore the water supply. In such cases, permission for working beyond the normal working hours of the Port or on Sundays and Public Holidays as stipulated under Clause No.42 of General Conditions of Contract, Volume-1 Of the tender document will be given for which the Contractor should bear the cost of overtime, if any, which may have to be paid to the Port's supervisory staff. The rate quoted shall be inclusive of overtime etc. and no extra payment will be entertained.

12. EPIDEMICS

In the event of any outbreak illness of an epidemic nature, the contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government or the Local Medical or Sanitary Authorities for the purpose of dealing and overcoming the same.

13. DISORDERLY CONDUCT ETC:

The contractor shall, at all times, take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or among his employees, officers or agents and for the preservation of peace and protection of persons and property in the neighborhood of the works against the same.

14. FOOTWEAR, GLOVES ETC:

In partial modification of clause No.31 of the General Conditions, the contract, the contractor shall at his own expenses provide footwear and gloves for all labour employees on concrete mixing work and all other types of work involving the use of tar and cement, etc. to the satisfaction of the Chief Engineer or his Assistant.

15. ACCIDENTS:

The contractor shall, within 24 hours of the occurrence of any accident at or about the site or in connection with the execution of the work, report such accident to the Chief Engineer or his Representative. The contractor shall also report such accidents to the concerned constituted authorities.

16. The tender is on Percentage Rate Basis and the Tenderers are required to fill the Schedule of Quantities and Rates as stated in directions to Tenderers for filling in the Schedule of Quantities and Rates.

17. The Taxes involved in the execution of Work Contract Act 1935 shall be borne by the contractor and rates quoted by the Tenderers shall be inclusive of the said tax also.

18. The contractor and his workers/agent shall be required to obtain from MPT and display a Photo Identity Card during entry, stay and exit from the Port security areas guarded by CISF personnel.

19. All applications for issuance of Photo Identity Card shall be routed through the Chief Engineer, who shall forward the same to the Port's Traffic Department, whose pass section will issue the Photo Identity Card to the contractor or his agent on payment of necessary fees as prescribed from time to time and the same shall be valid for the duration of the contract or a period of one year, whichever is less.

20. Subject to the availability, land for construction of temporary sheds/stores/labour hutments, etc. will be given to the contractor in Port areas. The contractor shall clear away all the temporary structures built within a period of fourteen days after completion of the work and leave the whole of the site clean to the satisfaction of the Chief Engineer. In case failure of this, the same will be carried out by deputing /engaging other agency at the risk and cost of the contractor.

21. Lease rent shall be charged to the contractors for the area allotted for construction of their temporary sheds for site office/ store /labour hutment's required in the contract works. Licence fees on Port land for maintenance office buildings and other structures at Mormugao Headland Sada slopes and Baina.

22. Lease rent shall be charged to the contractors for the area allotted for construction of their temporary sheds for site office/ store /labour hutment's required in the contract works. Licence fees on Port land for maintenance office buildings and other structures as per Port Schedule of Rates .

23. No temporary structures/sheds, which are constructed to house the contractor's office/store/labour hutments, shall be permitted to be retained during the period of maintenance.

24. If for any reason the entire site cannot be handed over to the contractors, the Contractor shall immediately commence the work in the portion of the site released. If in the opinion of the Chief Engineer, contractor's work is held up or totally stopped due to non-availability of the remaining site, the Chief Engineer may extend the time for completion of the work by treating non-working period for such days as he shall consider immediately on being informed that the remaining site is available for the work.

25. After completion of day's work/ contract period the contractor shall clean, clear the work site to the satisfaction of the Chief Engineer or his site representative.

26. The portion of Security Deposit due for refund in accordance with the Conditions of Contract, after physical completion of the work, will not be refunded except with the prior permission of the Chief Engineer, unless and until contractor submits the final bill based on joint measurements.

27. All the debris/ kutchra etc. arising out of this work shall become the property of the contractors and they shall make necessary arrangements to dispose it off at no extra cost to Port Trust. The debris/kutchra etc. shall not be dumped in Port Trust estate. If any of Port Trust debris/kutchra etc. is found dumped in MPT estate, a fine of **Rs. 5,000/- per lorry load** will be recovered from the contractor.

28. In case of excess under any item, the contractor should bring it to the notice of the concerned Chief Engineer well in time for obtaining necessary sanction.

29. Further to the provisions in the General Conditions of Contract, upon the Chief Engineer certifying that in his opinion, the contractor, after receiving from the Chief Engineer, a written notice,

1. Has suspended progress on any portion or items of the works for seven days, or
2. Has failed to make proper progress on any portion or items of the works for seven days, or
3. Has failed to complete any portion or item of the works by the time specified by the Chief Engineer, or
4. Has failed to remove from the site for seven days, material which have been condemned and rejected, or
5. Has failed to pull down within seven days and rebuild within the time stipulated by the Chief Engineer works which have been condemned and rejected, or
6. Has failed to give to the Chief Engineer or his representative proper facilities for inspecting the works or any part thereof for three days, or
7. Has failed to carry out proper tests for three days on any work or materials,

Then the Trustees, without restricting, prejudice to their rights under Clause, Nos. 57.1 of the general Conditions of Contract and expelling the contractors from the site of works, without determining the contract and while permitting the contractor to carry out or employ another agency to carry out at the risk and cost of the contractor,

- a. The execution of such portions or items of the work which the contractor has suspended or failed to make proper progress or failed to complete within the specified time, and or
- b. Removal of condemned and rejected material from the site, and/or
- c. Pulling down and rebuilding of condemned and rejected works, and/or
- d. The provision of proper facilities to the Chief Engineer or his representative for inspecting the works, and/or
- e. Testing of any work or materials,

In such cases Additional expenditure incurred, if any, by the Trustees over and above that which would have been incurred by them had above works been carried out by the contractors under the terms of this contract shall be paid by the contractor to the Mormugao Port trust. The trustees reserves their right to recover their additional expenditure from the moneys payable to the contractor or from deposits or such amounts that may have been lodged by the contractor with the Mormugao Port Trust for due performance of the contract under these presents. The Trustees further reserve their right to recover such additional expenditure from the moneys payable to the contractor for any other contract or transactions of any nature whatsoever existing between the trustees and the contractors.

30. SUPPLY OF MATERIALS:

No material to be supplied by the MPT. Contractor shall make his own arrangements to procure all the materials whatsoever required for the execution of the works covered under this tender.

31. All the material to be used for the work shall be as far as possible, in accordance with the relevant specifications. However, the final approval of the material shall be at the sole discretion of the Chief Engineer or his representative depending upon the availability of the material in the market.

32. All the materials to be used in the structure shall be conforming to relevant ISI specifications or as specified in the Tender Schedule. Contractor shall undertake laboratory test as specified in the relevant I.S.I. order at the discretion of Chief Engineer and only approved materials/approved brand of materials shall be used.

33. The contractor should make arrangements to keep in stock minimum materials required to attend day to day emergency maintenance work.

34. VALUATION OF EXTRA ITEMS OF WORKS & VALUATION OF ADDITIONS AND ALTERATIONS TO THE TENDER ITEMS

(A) VALUATION OF EXTRA ITEMS OF WORKS

The rates of extra items of work not contained in the Schedule of Quantities and Rates, shall be fixed only on the following basis:

- (a) from similar items, if such items exists in the tender, or
- (b) from any comparable item, if such items exists in the tender.

If (a) and (b) are not available then,

(c) from MPT's SOR / Rate Analysis and using current costs of labour and materials and with allowance of 10% on direct costs towards the contractor's profit and over head.

If (a), (b) and (c) are not available then,

(d) from actual direct cost of labour and materials consumed and with allowance of 10% towards contractor's profit and overhead.

(In such cases, rates of labour and materials and hired charge of hired plant shall be supported by vouchers).

Rates of labour and material and hired charges for plant owned by the contractor shall be fixed by the Chief Engineer.

(B) VALUATION OF ADDITIONS AND ALTERATIONS TO THE TENDER ITEMS:

In the event of any modification in the work being effected in the items of work covered in the Schedule of Quantities and Rates with the prior approval of the Chief Engineer in such cases, only such modified items of work shall be revalued on the basis of MPT Rate Analysis pertaining to that item of work. If the modification is effected by the contractor without prior approval of the Chief Engineer, then the Chief Engineer will be at liberty to reject the same. However, in the event of Chief Engineer's acceptance on such work, the same will be re-valued on foregoing basis but the rate arrived at will be reduced by 10%.

35. MODE OF PAYMENT:

The procedure for preparation and settlement of contractor's bills is as under:

- (i) **100%** of the bill will be paid within **20 working days** from the date of acceptance of undisputed bill by the Department after satisfactory completion of the work. The undisputed bill, based on joint measurements shall be submitted in original plus four copies (along with ESI, EPF, MR, Wage register etc). The joint measurements shall be signed by the Junior Engineer, the Officer in-charge and the Contractor/Authorised representative of the Contractor. In the absence of Junior Engineer, the joint measurements shall be signed by the Officer in-charge and the Contractor/authorised representative of the Contractor.
- (ii) The amount of any bill can be adjusted against dues to Mormugao Port Trust on any other dealing with the Mormugao Port trust.
- (iii) Retention Money will be recovered through the bills at the rate of 5% of the amount certified in each bill.

The Chief Engineer may sanction part rates for partly executed items of work mentioned in the Schedule of Quantities and Rates as may be deemed necessary by him.

36. FACILITIES FOR WORKS OF OTHER AGENCIES:

Contractor shall take care that his work does not, in any way, hamper the concurrent progress of works of the other agencies in and around the existing site of work, laying of cables or any other work, which will be awarded during currency of this contract. The contractor, shall accord all facilities to various agencies/ contractors such as place for storing their material place for site office, etc. in consultation with the Site Engineer and carry out his activities in close co-ordination with all agencies.

37. No Port Trust structure/room is available for storing the materials brought, at site by the contractor. The contractor shall make his, own arrangement to construct a temporary storeroom at his risk and cost, at or near the site of work, as directed by the Site Engineer. However, the same will be used for storing materials only and not for residential purpose and the same will be dismantled and removed from the site, immediately on completion/ termination of work. The final bill of the work will not be settled, unless the site is completed cleaned of all the materials.
38. The Contractor at his cost shall daily maintain the minimum tools in good condition at site such as 2 nos. pickaxe, 2 nos. Powda, 1 no. trowel, 1 no. Axe, 1 no. chisel of 18" length, 1 no. hammer, 2 nos.

ghamella, 1 no. 10"size pipe wrench, 1 no. 14" size pipewrench, 2 nos. 24" size pipewrench, Screw Driver Sets, 1no. 12" Spanner, 2 nos. Koita, 1 no. Kuradi, 30.00 mtr. Rope, 1no. Dye size 1/2"to 2" dia, 5 nos. cutting Blade, 1 no. Cutting blade frame, 30 mtrs. of caution Sign Tappings, 1 no. Ladder of 2.00m approx. length and 1no. ladder of 6.00 mtrs. approx. length. Any additional requirement of tools and Plants for works intimated by the Port should be arranged by the Contractor at his cost within two hours.

39. The Contractor shall be provided a covered area of 5.00 m² free of cost to keep the tools & Plants Box and an uncovered area of 6.50m² free of cost to maintain his ladder at his risk at the Maintenance Office Headland subject to availability. The above tools and plants including ladder shall be for exclusive use of maintenance works under the Contract.
40. In case of Fabrication/other maintenance works under the Contract, the contractor shall be permitted to keep the materials at Maintenance Site Office at his risk, free of cost for a period of 48.00 hrs. subject to availability.
41. The contractor should specially note that there should not be any disturbances to the MPT Staff's working in the Department and also take necessary steps to prevent noise, dust pollutions etc. in the Office.
42. The contractor shall have EPF Registration No. of the firm and shall contribute towards Employees Provident fund (EPF) and submit the copy of the same along with the details in the prescribed format while submitting bills.
43. Contractor who does not have ESI registration shall take the Insurance policy under the Indian workmen's Compensation Act 1923 to be taken to cover the workers employed by them on the subject works, against the risks involved in the execution of work. Original policy to be produced for Scrutiny before commencement of work and original policy will be returned after scrutiny.
44. THE DESCRIPTION OF ITEMS MATERIAL IN THE TENDER IS FOR REPLACING THE OLD LINES/ AS WELL AS LAYING/FIXING OF NEW LINE/FITTINGS ETC.
45. In case of breakdown of works are carried out, necessary sign board shall be displaced to avoid any accident for movement of traffic or person.
46. **THE QUANTITIES MENTIONED IN THE ITEMS OF SCHEDULE OF QUANTITIES & RATES ARE TENTATIVE AND MAY VARY BASED ON THE ACTUAL REQUIREMENT OF MAINTENANCE WORKS. THE CONTRACT SHALL BE FOR A PERIOD OF 12 MONTHS AND MAY BE EXTENDED UPTO ADDITIONAL PERIOD OF 2 MONTHS SUBJECT TO PORT REQUIREMENTS INCASE TENDERED AMOUNT IS NOT FULLY UTILISED TILL THE END OF THE CONTRACT PERIOD.**

CHIEF ENGINEER



MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

TENDER No. CE/29/201\98

MAINTENANCE AND UPKEEP OF WATER SUPPLY SYSTEM
(AMC 2019-2020)

MAIN SCOPE OF WORKS

- Excavation in loose soft soil, dense or hard soil, soft rock, hard rock etc.
- Cement Concrete (1:2:4), (1:3:6)
- Constructing masonry using precast cement concrete blocks
- Providing and fixing G.I. pipes 12/15mm, 25mm, 40mm, 50mm, 80mm dia and 100mm. and dismantling of old pipes
- Providing and fixing PPR pipe connection for 20mm, 32mm, 50mm/63mm pipe
- Providing and fixing C.P.V.C pipes 12/15mm, 20mm, and dismantling of old/ damaged pipes as directed.
- Providing APVC/ UPVC pipe 12/15mm, 20mm, 25mm, 32mm, 40mm and 50mm
- Providing APVC/UPVC ball valve of 15mm, 20mm, 32mm, 40mm and 50 mm
- Providing and fixing water meters of size 12/15mm, 25mm, 50mm dia and 100 mm.
- Providing and laying C.I socket and spigot /flanged pipes 80mm, 100mm, 150mm
- Providing lead joints to C.I. pipes 80mm, 100mm, 150mm dia.
- Providing tyton joints to C.I pipes 80mm, 100mm, 150mm dia.
- Providing flanged joints to cast iron pipes and specials for 80mm, 100mm and 150 mm dia pipes
- Providing and fixing CI, sluice valve of 80mm, 100mm and 150mm
- Fabrication and erection of structural steel work.
- Plastering with C.M (1:5) in single coat.
- Painting iron/metal work with two coats of synthetic enamel paint over a coat of red oxide.
- Cleaning of open well.
- Soling with hard laterite
- Providing and laying CI specials and MS specials
- Supply of labours with tools/without tools
- Supply of plumbers, Masons and carpenters
- Supply and fixing HDPE water storage tank
- Fixing of water storage tanks
- Providing GM wheel valve 25 mm, 50mm
- Providing 100mm dia GI long bend
- Repairing foot valves of 2" dia and 4" dia
- Replacing foot valves of 2" dia and 4" dia.
- Repairing foot valves of 6" dia

- Repairing foot valve 250 mm dia
- P/L flanged joints to G.I. pipes
- Weeding of vegetation
- Credit for taking away removed GI pipes of various sizes
- Credit for taking away removed old submersible pumps
- Periodic cleaning of water tanks
- Periodical cleaning of R.C.C/HDPE over head water tanks
- Painting a board base size of 40 cms x15 cms
- Letter painting/numbering on water tanks, chamber covers etc.
- Providing and fixing CP bib cock/Pillar cock/angle cock/concealed stop cock/waste coupling, etc.
- Providing and fixing wash basin/ PVC flushing cistern /PVC flexible pipe etc.
- Providing and fixing brass float valve 25mm and 50 mm dia mm dia
- Providing and fixing PVC pipe 32mm dia for kitchen outlet
- Supply and installation of 5 HP submersible motor
- Supply and installation of 7.5 HP submersible motor
- Supply and installation of 50 mm dia HDPE pipe
- Setting of drill equipment for flushing of bore well
- Repairs to existing bore wells, etc
- Transportation of small plumbing fixtures/fittings, flexible pipes, pumps etc, including transportation of Departmental Fitters, staff's at various point of work with 4- wheeler vehicle.
- Providing and fixing C.I. foot valve of size 200mm/8" dia., etc

CHIEF ENGINEER



An ISO 9001:2015 PORT

MORMUGAO PORT TRUST
ENGINEERING (CIVIL) DEPARTMENT

TENDER NO: CE/29/2019

Name of work: **“Maintenance and upkeep of Water Supply System: AMC 2019-20”**

DIRECTIONS TO TENDERERS FOR FILLING
THE SCHEDULE OF QUANTITIES & RATES.

1. Tenderers are required to fill in their percentage rate at the end of the Schedule of Quantities & Rates, in the space provided for the purpose and unless this is done, their tender will not be considered. Only one percentage rate on all Rates of Schedule of Quantities & Rates shall be named.
2. The Percentage Rate inserted shall hold good for all works under this contract, without reference to quantity or location of the work or the variation in the estimated quantity.
3. Quantity of each item of work mentioned in the Schedule should be noted and the item rate worked out carefully, having regard to the specifications before submitting the tender, as no variation in rates etc. will be allowed on any ground such as mistake or misunderstanding etc. after the tender has been submitted. The percentage rate, above or below the Schedule/Estimated rate, indicated at the end of the Schedule of Quantities & Rates, will apply to each item, of the tender and any excess in the item that may be directed to be executed by the Chief Engineer.
4. Tenderers are requested to note that though the contract is for item rate, they are required to add or deduct the amount due to this percentage, as the, case may be and work out the final figures(amount of their tenders), at the end of the Schedule of Quantities & Rates.
5. The percentage Rate should be legibly written in figures as well as in words, in the space provided for Erasures or corrections in figures or in words, without Tenderers initials, will render the tender liable for rejection.

CHIEF ENGINEER

VENDOR REGISTRATION FORM

1. Name of the Organization : _____
2. Address (In Detail) : _____
3. Telephone Number : _____
4. E-Mail Id : _____
5. Permanent Account Number (PAN) : _____
6. Bank Name : _____
7. Bank Branch Address (In Detail) : _____
8. Bank Branch Code : _____
9. Bank Account Number : _____
10. Bank Account Type : _____
11. Magnetic Ink Character Recognizer (MICR) : _____
12. Tax Identification Number (TIN) : _____
13. GST Registration Number : _____
14. GST Registration Code : _____
16. Employee Provident Fund (EPF)
Registration Number : _____
17. EmployeeState Insurance Scheme
(ESIS) Registration Number : _____
18. IFSC Code : _____

BILL OF QUANTITIES FOR REFERENCE ONLY

Item No	Description of work	Unit of Qty	Qty.	Rate	Total Amount
1	Excavation in loose or soft soil including removal of obstructions such as small vegetations etc. if any. All labour,materials,tools and plants etc complete	M ³	10	405.99	4059.93
2	Excavation in dense or hard soil/murum etc. including removal of obstructionetc. All labour,materials,tools and plants etc complete if any complete.	M ³	20	835.97	16719.31
3	Excavation in hard rock laterite boulders interspersed removal of obstructions etc. if any. All labour, materials, tools and plants etc complete.	M ³	10	1671.93	16719.31
4	Plain Cement concrete (1:2:4) using 20mm graded black trap agg. Etc. All labours, materials,tools and plants etc. complete.	M ³	2	8339.68	16679.36
5	Description as detailed in item, no. 4 but for P.C.C (1:3:6). All labour, materials,tools and plants etc complete .	M ³	2	7483.27	14966.54
6	Providing and fixing shuttering for column,beams,side walls etc. of any size and shape including cleaning etc.All labourmaterials, tools and plants etc complete.	M ²	5	487.15	2435.73
7	Construction masonry using precast cement concrete blocks having a crushing strength of 35kg/cm ² etc. All labour, materials,tools and plants etc All labour,materials,tools and plants etc complete.	M ³	5	8314.12	41570.58

8	Providing and fixing to the wall floor etc. GI pipe (class-B)12/15mmdia including joining, and dismantling of old pipes etc. All labour ,materials,tools and plants etc complete.	M	30	353.64	10609.06
9	Providing and fixing in trenches 12/15mmdia GI pipe (class-B), including all fittings and dismantling of old pipes but excluding excavation etc.Alllabour ,materials ,tools and plants etc complete	M	30	249.96	7498.77
10	P&F to the wall GI pipe 25mm dia (class B) including dismantling of old pipes etc. All labour ,materials ,tools and plants etc complete.	M	20	433.18	8663.60
11	P&F in trenches 25mm dia GI pipe (class B), including all fittings and dismantling of old pipes but excluding excavation etc. All labour, materials ,tools and plants etc complete.	M	250	393.41	98351.91
12	P&F to the trenches wall 40mmdia G.I pipe (classB),including all fittings and dismantling of old pipes but excluding excavation etc. All labour, materials ,tools and plants etccomplete.	M	30	592.25	17767.38
13	P&F in trenches 50mmdia G.I pipe (classB), including all fittings and dismantling of old pipes but excluding excavation etc. All labour, materials ,tools and plants etc complete.	M	50	703.03	35151.26
14	P&L in trenches 80 mm dia G.I pipe (classB), including all fittings and including dismantling of old pipes but excluding excavation etc. All labour, materials ,tools and plants etc complete.	M	20	1163.18	23263.65
15	P&L in trenches,walls etc 100 mm dia G.I pipe (class B), including all fittings and including dismantling of old pipes but excluding excavation etc.All labour,materials,tools and plants etc complete.	M	50	1674.47	83723.64

16	<p>Providing connection to the Existing 20mm PPR pipe with UPVC pipe (15 mm dia) with necessary specials required for joining PPR pipe specials and Upvc pipe specials at the both the ends of repair work , including cutting existing pipe and inserting necessary specials required for PPR pipe (Brass MTA) and UPVC pipe (Brass FTA) ,necessary instruments /solution required for joining and cutting PPR pipe and upvc pipe .The cost to include all specials required at both the ends of repair work , necessary breaking the wall and making good the same , necessary scaffolding required for working at above ground level except the cost of upvc pipe 15mm dia if laid between the repair work which will be paid under item no 25 (per joint represent PPR and upvc specials required at one end of joint). All labour, material, tools and plants Etc complete.</p>	per joint	2	690.24	1380.48
----	--	-----------	---	--------	---------

17	<p>Providing connection to the Existing 32mm PPR pipe with UPVC pipe (25 mm dia) with necessary specials required for joining PPR pipe specials and Upvc pipe specials at the both the ends of repair work , including cutting existing pipe and inserting necessary specials required for PPR pipe (Brass MTA)and UPVC pipe(Brass FTA) ,necessary instruments /solution required for joining and cutting PPR pipe and upvc pipe .The cost to include all specials required at both the ends of repair work , necessary breaking the wall and making good the same , necessary scaffolding required for working at above ground level except the cost of upvc pipe 25 mm dia if laid between the repair work which will be paid under item no 27 (per joint represent PPR and upvc specials required at one end of joint). All labour , material , tools and plants Etc complete.</p>	per joint	2	1602.03	3204.06
----	--	-----------	---	---------	---------

18	<p>Providing connection to the Existing 50mm/63 mm PPR pipe with UPVC pipe (40mm/50 mm dia) with necessary specials required for joining PPR pipe specials and Upvc pipe specials at the both the ends of repair work , including cutting existing pipe and inserting necessary specials required for PPR pipe (Brass MTA)and UPVC pipe (UPVC Threaded socket on one side) ,necessary instruments /solution required for joining and cutting PPR pipe and upvc pipe .The cost to include all specials required at both the ends of repair work , necessary breaking the wall and making good the same , necessary scaffolding required for working at above ground level and necessary tools required for exposing the pipe except the cost of upvc pipe 50 mm dia , if laid between the repair work which will be paid under item no 29/30 (per joint represent PPR and upvc specials required at one end of joint) . (cost of excavation will be paid as per item no 1,2,3 as the case may be) All labour, material , tools and plants Etc complete.</p>	per joint	2	3069.15	6138.30
19	<p>P & L in wall, floor, trenches etc , 15mm dia C.P.V.C pipe (SDR 11) of prince make or equivalent including joining with sockets ,bends, Tees , specials ,Reducer specials of required size for connecting existing pipes , , . All cutting threading and joining materials cost pipes and specials , etc. , excluding the cost of excavation but including breaking the wall/ floor /chajja and making good the same .All labour materials , tools , plants etc. complete.</p>	M	10	247.12	2471.25

20	P & L in wall, floor trenches etc , 20mm dia C.P.V.C pipe(SDR 11)of prince make or equivalent including joining with sockets ,bends, Tees , specials ,Reducer specials of required size for connecting existing pipes , , . All cutting threading and joining materials cost pipes and specials , etc. , excluding cost of excavation but including cost of breaking the wall/ floor /chajja and making good the same .All labour materials , tools , plants etc. complete.	M	5	282.63	1413.14
21	P & L in wall, floor .trenches etc, 12/ 15mm dia U.P.V.C pipe of prince make (schedule 40) or equivalent including joining with sockets, bends, Tees, specials, Reducer specials of required size for connecting existing pipes. All cutting threading and joining materials cost pipes and specials etc.,excluding cost of excavation but including cost of breaking the wall/ floor /chajja and making good the same .All labour materials, tools, plants etc. complete.	M	300	208.78	62632.64
22	P & L in wall, floor .trenches etc , 20mm dia U.P.V.C pipe (schedule 40) of prince make or equivalent including joining with sockets ,bends, Tees , specials ,Reducer specials of required size for connecting existing pipes , , . All cutting threading and joining materials cost pipes and specials , etc. ,excluding cost of excavation but including cost of breaking the wall/ floor /chajja and making good the same .All labour materials , tools , plants etc. complete.	M	50	237.18	11858.79

23	P & L in wall, floor ,trenches etc , 25mm dia U.P.V.C pipe of prince make(schedule 40) or equivalent including joining with sockets ,bends, Tees , specials ,Reducer specials of required size for connecting existing pipes , , . All cutting threading and joining materials cost pipes and specials , etc. , excluding cost of excavation but including cost of breaking the wall/ floor /chajja and making good the same .All labour materials , tools , plants etc. complete.	M	200	311.03	62205.75
24	P & L in wall, floor, trenches etc , 32mm dia U.P.V.C pipe of prince make(schedule 40) or equivalent including joining with sockets ,bends, Tees , specials ,Reducer specials of required size for connecting existing pipes. All cutting threading and joining materials cost pipes and specials, etc., excluding cost of excavation but including cost of breaking the wall/ floor / chajja and making good the same .All labour materials, tools, plants etc. complete.	M	15	389.15	5837.26
25	P & L in wall, floor ,trenches etc , 40mm dia U.P.V.C pipe of prince make (schedule 40) or equivalent including joining with sockets ,bends, Tees , specials ,Reducer specials of required size for connecting existing pipes. All cutting threading and joining materials cost pipes and specials, etc. excluding cost of excavation but including cost of breaking the wall/ floor / chajja and making good the same. All labour materials, tools, plants etc. complete.	M	20	448.80	8975.95

26	P & L in wall, floor ,trenches etc , 50mm dia U.P.V.C pipe of prince make(schedule 40) or equivalent including joining with sockets ,bends, Tees , specials ,Reducer specials of required size for connecting existing pipes , , . All cutting threading and joining materials cost pipes and specials , etc. , excluding cost of excavation but including cost of breaking the wall/ floor /chajja and making good the same .All labour materials , tools , plants etc. complete.	M	50	589.40	29470.00
27	Providing and fixing UPVC ball valve of 15 mm dia , including providing necessary specials for joining , necessary solution ,etc. All labour , materials, tools , plants etc complete.	Nos.	40	241.44	9657.79
28	Providing and fixing UPVC ball valve of 20 mm dia , including providing necessary specials for joining , necessary solution ,etc. All labour , materials, tools , plants etc complete.	Nos.	5	301.09	1505.46
29	Providing and fixing UPVC ball valve of 25 mm dia , including providing necessary specials for joining , necessary solution ,etc. All labour , materials, tools , plants etc complete.	Nos.	40	401.93	16077.35
30	Providing and fixing UPVC ball valve of 32-mm dia, including providing necessary specials for joining, necessary solution ,etc. All labour , materials, tools , plants etc complete.	Nos.	4	515.55	2062.19
31	Providing and fixing UPVC ball valve of 40mm dia , including providing necessary specials for joining , necessary solution ,etc. All labour , materials, tools , plants etc complete.	Nos.	4	715.81	2863.23

32	Providing and fixing UPVC ball valve of 50mm dia , including providing necessary specials for joining , necessary solution ,etc. All labour , materials, tools , plants etc complete.	Nos.	10	1062.34	10623.41
33	Providing/Fixing in position approved make/ quality water meter or equivalent water meter 12/15mm dia with ISI mark of approve design and pattern etc. All labour ,materials ,tools and plants etc complete.	Nos.	1	3133.06	3133.06
34	Providing/Fixing in position approved make/ quality water meter or equivalent water meter 25mm dia with ISI mark of approved design and pattern etc. All labour ,materials ,tools and plants etc complete.	Nos.	1	5710.80	5710.80
35	Providing/Fixing in position approved make/ quality water meter or equivalent water meter 50mm with ISI mark of approve design and pattern dia etc. All labour ,materials ,tools and plants etc complete.	Nos.	1	18429.10	18429.10
36	Providing/Fixing in position approved ISI make/ quality water meter or equivalent water meter 100 mm dia with ISI mark of approve design and pattern etc. All labour ,materials ,tools and plants etc complete.	Nos	1	22830.44	22830.44
37	P/L in position cast iron socket and Spigot /flanged pipe (class A) quality etc. etc. complete. Including all specials such as collors etc. All labour ,materials ,tools and plants etc complete.				
a	80mm dia	M	5	890.49	4452.46
b	100mm dia	M	5	1445.81	7229.06
c	150mm dia	M	5	2018.17	10090.85
38	Providing lead jointing to cast iron pipe and specials by caulking with molten lead and packing spun yarn etc. complete.etc. All labour ,materials ,tools and plants etc				
a	80mm dia	Nos.	1	492.83	492.83

b	100mm dia	Nos.	1	576.62	576.62
c	150mm dia	Nos.	1	870.61	870.61
39	Providing tyton joints to cast iron pipe and specials etc. including necessary materials etc. All labour ,materials ,tools and plants etc complete.				
a	80mm dia	Nos.	1	52.54	52.54
b	100mm dia	Nos.	1	66.75	66.75
c	150mm dia	Nos.	1	82.38	82.38
40	Providing flanged joints to cast iron pipes and specials including all materials such as 3-mm thick rubber insertion, necessary bolts, nuts, washers, testing the joints etc. as directed. All labours, materials etc. complete.				
a	For 80mm dia. CI pipe.	Nos.	5	240.02	1200.11
b	For 100mm dia. CI pipe.	Nos.	5	428.91	2144.56
c	For 150mm dia. CI pipe.	Nos.	5	774.03	3870.16
41	P/F cast iron sluice valve of ISI mrak with approved make/pattern quality class etc.Alllabour ,materials ,tools and plants etc complete.			0.00	
a	80mm dia	Nos.	1	11217.10	11217.10
b	100mm dia	Nos.	1	17849.64	17849.64
c	150mm dia	Nos.	1	24702.31	24702.31
42	Fabricating & erecting in position structural steel works in light sections including cutting, hoisting, fixing in position cleaning, painting with two coats of synthetic enamel paint over a coat of red lead etc. All tools & plants labour materials etc complete..	Q	15	10872.78	163091.76
43	Plastering with C.M(1:5)mm thick in single coat for masonry wall etc. complete.	M ²	10	205.94	2059.41
44	Painting iron/metal works with approved coat of red lead and two coats of approved enamel paints etc. complete.	M ²	100	79.53	7953.29

45	Cleaning of open wells such as removal of floating substances removal of weeds all around the surrounding of well 6.00m from well parapet , treating the well with approved chemical etc. including during monsoon period as and when found necessary. All labours, materials etc. complete.	Nos.	1	3543.51	3543.51
46	Soling with hard laterite rubble stone of 20cm to 30cm size including hand packing etc. complete. All labours, materials ,tools and plants etc. complete.	M ³	5	1994.03	9970.14
47	Providing and laying cast iron special for CI pipe. As per IS specification. All labours, materials ,tools and plants etc. complete.	Kgs	40	99.42	3976.77
48	Providing and laying M.S special for CI pipe. Including necessary paintings. All labours, materials ,tools and plants etc. complete.	Kgs	40	99.42	3976.77
49	Supply of labours for various works of water supply section in M.P.T area.Labour (male with tools & plants)	Nos.	100	640.00	64000.00
50	Supply of labours for various works of water supply section in M.P.T area.Labour (male) (without tools and plant)	Nos.	250	609	152250.00
51	Supply of Plumbers for various works of water supply section in M.P.T area (with tools and plan)	Nos.	150	807.00	121050.00
52	Supply of Carpenters for various works of water supply section in M.P.T area. (with tools and plan)	Nos.	10	807.00	8070.00
53	Supply of Mason for various works of water supply section in M.P.T area. (with tools and plan)	Nos.	10	807.00	8070.00

54	Supplying and fixing in position water storage tank, cylindrical, vertical type with closed top of "SINTEX/SHAKTI BRAND" or equivalent type single piece moulded <u>HDPE tank</u> by providing necessary fittings of 1" size such as plain socket, tank connector, <u>FT, MT</u> , etc. All labours, materials ,tools and plants etc. complete.	Ltrs.	3000	9.94	29811.52
55	Fixing in position water storage tank, cylindrical, vertical type with closed top of 1000 ltrs. To 2000 liters capacity single piece molded low density of polythelene supplied departmentally free of cost, stacked at Headland Site Office including transporting and lifting the tank to the site / terrace in the Port area inlcuding dismantling old tanks and pipes handing over the old fittings to the site office including providing necessary fittings of 1" size such as plain socket, tank connector, <u>FT, MT</u> , etc. All labours, materials ,tools and plants etc. complete.	Nos.	30	870.61	26118.16
56	P/F G.M wheel valve 50mm dia,of ISI mark , medium class of approved make and pattern .All labours, materials ,tools and plants etc. complete.	Nos.	10	3276.50	32765.04
57	P/F G.M wheel valve 25mm dia,of ISI mark , medium class of approved make and pattern etc. complete.	Nos.	10	1972.72	19727.18
58	Providing 100-mm dia. GI long bend of approved make Class-B with ISI mark . All labour. Materials ,tools and plants etc. complete.	Nos.	4	1420.24	5680.98

59	Repairing of foot valve of GM 2" dia incl. dismantling of pipes lifting from the sump, at a depth of around 3m, fixing with proper jute yarn, threading the pipe etc. reassembling the pipe to required alignment including taking trial of pump function etc. All labour ,materials ,tools and plants etc complete .	Nos.	1	1947.47	1947.47
60	Replacing foot valve of GM 2" dia including dismantling of pipes lifting from the sump, at a depth of around 3 m, fixing with proper jute yarn, threading the pipe etc. reassembling the pipe to required alignment including taking trial of pump function etc. All labour ,materials ,tools and plants etc complete . complete.	Nos.	1	4950.98	4950.98
61	Repairing pump foot valve of size 4"dia including dismantling of GI flanged pipes, lifting from the Jetty well about 6.00 m depth, cleaning the foot valve, replacing foot valve gate sheet reassembling the foot valve dismantling suction pipe etc. including taking trial of the pump functioning etc at At jetty well. All labours, materials etc. complete.	Nos.	1	2288.02	2288.02
62	Replacing GM/CI pump foot valve of size 4"dia including dismantling of GI flanged pipes, lifting from the Jetty well about 6.00 m depth, cleaning the foot valve, replacing foot valve gate sheet reassembling the foot valve dismantling suction pipe etc. including taking trial of the pump functioning etc at at jetty well. All labours, materials etc. complete.	Nos.	1	10492.76	10492.76

63	Repairing CI /GM pump foot valve of size 6"dia including dismantling of GI/CI flanged pipes, lifting from the about 3.00 m depth, cleaning the foot valve, replacing foot valve gate sheet reassembling the foot valve dismantling suction pipe etc. including taking trial of the pump functioning etc at Old power house. All labours, materials,tools and plants ,including cost of divers etc. complete.	Nos.	1	5443.80	5443.80
64	Repairing CI foot valve of size 200 mm dia fixed to the fire fighting electrical /diesel pump including dismantling of MS/GI/CI flanged pipes, lifting from the return face of Berth no 10 at GCB about 5.00 m depth,by means of mechanical means either buy chain pulley or crane etc removing and refitting of MS welded mesh cleaning the foot valve, replacing foot valve gate sheetwith approved quality leather/rubber sheet reassembling the foot valve dismantling suction pipe etc. replacing the required nos of ss nuts ,bolts ,washer including taking trial of the pump functioning etc at beth no 10 or at any other place within port area . All labours, materials,tools and plants ,including cost of divers etc. complete.	Nos	5	10011.31	50056.55
65	Providing and laying flanged joints for GI pipes and special including all materials such as 3mm thick rubber in suction necessary bolts, nuts, etc. as described. Alllabor, materials , tools and plants etc. complete.				
	a) For 80mmdia GI pipe.	Nos.	10	284.05	2840.51
	b)For 100mm dia GI pipe.	Nos.	10	355.06	3550.58

66	Weeding by chopping/cutting all type of wild growth such as shrubs, creepers plants, bushes etc. uprooting of small vegetation of areas near all major valves, Headland reservoir tank , 800m3 tank ,steamer tank and hospital bore well area as indicated by the CE or his representative , ensuring there is no weeds in the area, pruning of tree branches, handing over these area to the department in complete weeded condition including stacking the weeded debris and disposing by transporting away within 2 kms area /burying the same in the excavated pit as directed by Chief Engineer or his representative . All labour, materials, tools and plants etc complete.	Sq M	500	2.85	1422.98
67	Credit for taking away old dismantle G.I pipelines				
	a) 12/15 mm dia GI line	M	50	1.42	-71.15
	b) 25 mm dia GI line	M	50	2.85	-142.30
	c) 40 mm dia GI line	M	25	4.26	-106.43
	d) 50 mm dia GI line	M	50	7.10	-355.15
	e) 80 mm dia GI line	M	10	9.94	-99.37
	f) 100 mm dia GI line	M	10	11.36	-113.60
68	Credit for taking away old submersible pump of borewell having capacity of 5 HP	Nos.	2	7101.22	-14202.45
69	Periodic cleaning of R.C.C water tank of capacity 50000-75000 liters at CHLD colony OHT & AO Bldg OHT with scientific method using high pressure jets with antibacterial treatment etc. as directed. All labours, materials etc. complete	Nos	2	6037.54	12075.08

70	Description as detailed in item, no. 69 but for water tanks of capacity above 75,000 lit to 100,000 litres. Bharatlines sump and GCB sump at MOHC All labour ,materials ,tools and plants etc complete . complete.	Nos.	2	7322.95	14645.90
71	Description as detailed in item, no. 69 but for OH water tanks of capacity 325000 liters. Behind Primary School All labour ,materials ,tools and plants etc complete . complete.	Nos.	1	11436.87	11436.87
72	Description as detailed in item, no. 69 but for water tanks of capacity 444000 liters. UG Sump Behind Primary School All labour ,materials ,tools and plants etc complete . complete.	Nos.	1	13101.31	13101.31
73	Description as detailed in item, no. 69 but for OH water tanks of capacity 500000 litres.near CISF colony All labour ,materials ,tools and plants etc complete . complete.	Nos.	1	13932.78	13932.78
74	Description as detailed in item, no. 69 but for water tanks of capacity 550000 liters. Surface Tank Behind Primary School & steamer tank All labour ,materials ,tools and plants etc complete . complete.	Nos.	1	14099.07	14099.07
75	Description as detailed in item, no. 69 but for water tanks of capacity 800000 liters. Near hospital All labour ,materials ,tools and plants etc complete . complete.	Nos.	1	14765.75	14765.75
76	Periodic cleaning of HDPE water tank of building type C,D, school building, and other building of tank capacity 500 liters with brooms discharging waste water, application of bleaching powder washing properly tying/replacing mosquitoes proof nylon net. covering the tank manhole properly etc. as directed. All labours, materials etc. complete.	Nos.	10	295.13	2951.29

77	Description as detailed in item, no. 76 but for water tanks of capacity 1000 liters. All labour ,materials ,tools and plants etc complete . complete.	Nos.	300	383.53	115058.32
78	Description as detailed in item,no.76 but for water tanks of capacity 2000 liters. All labour ,materials ,tools and plants etc complete . complete.	Nos.	100	405.99	40599.33
79	Description as detailed in item, no. 76 but for water tanks of capacity 5000 liters. All labour ,materials ,tools and plants etc complete . complete.	Nos.	50	428.47	21423.56
80	Periodic cleaning of R.C.C water tank of building type A,B,C,D. Bungalows guest house, school building,CISF barracks and other building of tank capacity from 2000lit to upto 4000 liters with brooms discharging waste water, application of bleaching powder washing properly tying/replacing mosquitoes proof nylon net. covering the tank manhole properly etc. as directed. All labours, materials etc. complete.	Nos.	100	350.57	35056.74
81	Description as detailed in item, no. 80 but for water tanks of capacity above 4000 lit to upto 6000 liters. All labour ,materials ,tools and plants etc complete . complete.	Nos.	100	395.51	39551.10
82	Description as detailed in item, no. 80 but for water tanks of capacity above 6000 lit to upto 10000 liters. All labour ,materials ,tools and plants etc complete . complete.	Nos.	10	440.45	4404.55
83	Description as detailed in item, no. 80 but for water tanks of capacity above 10000 to upto 20000 liters. All labour ,materials ,tools and plants etc complete . complete.	Nos.	10	717.61	7176.09

84	Description as detailed in item, no. 80 but for water tanks of capacity above 20000 lit upto 50000 liters. At Guesthouse ,CISF barracks & AO Bldg All labour ,materials ,tools and plants etc complete . complete.	Nos.	8	2221.75	17773.99
85	Description as detailed in item, no. 80 but for water tanks of capacity of 100000 liters. At old power house OHT. All labour, materials ,tools and plants etc complete.	Nos	2	13333.52	26667.04
86	Description as detailed in item, no. 80 but for water tanks of capacity of 200000 liters at Old power house sump All labour ,materials ,tools and plants etc complete .	Nos	2	14165.00	28329.99
87	Painting a board base of size 40cm x 15cm with synthetic enamel paint on RCC water tank/HDPE water tanks , etc. All labour and materials, tools and plants etc complete.	Nos.	500	38.35	19174.71
88	Writing the letter/numbers on the RCC tanks /HDPE water tanks mentioning the year and month of cleaning of tank of letter size of 60mm high and 5 mm width etc.. All labour and materials, tools and plants complete.	Nos.	500	55.39	27694.83
89	Providing and fixing CP bib cock (heavy duty) of 15 mm dia EECO /Arvee brand or equivalent approved make and pattern ,including removing the old fittigs/pipes and refixing the new fittings and handing over unserviceble materials to departement . All labour materials tools and plants etc complete.	Nos	5	928.84	4644.20

90	Providing and fixing CP short body bib cock of 15 mm(medium) EECO /Arvee brand or equivalent dia of approved make and pattern including removing the old fittigs/pipes and refixing the new fittings and handing over unserviceble materials to departement All labour materials tools and plants etc complete.	Nos	25	755.57	18889.22
91	Providing and fixing CP pillar tap of 15 mmdia of heavy duty EECO /ARVEE brand or equivalent approved make and pattern,including removing the old fittigs/pipes and refixing the new fittings and handing over unserviceble materials to departement . All labour materials tools and plants etc complete.	Nos	10	1016.90	10169.00
92	Providing and fixing CP pillar tap of 15 mmdia of medium class EECO /ARVEE brand or equivalent dia of approved make and pattern ,including removing the old fittigs/pipes and refixing the new fittings and handing over unserviceble materials to departement . All labour materials tools and plants etc complete.	Nos	15	783.97	11759.54
93	Providing and fixing CP long body bib cock of 15 mm dia of Jaguar make or equivalent of approved make and pattern,including removing the old fittigs/pipes and refixing the new fittings and handing over unserviceble materials to departement . All labour materials tools and plants etc complete.	Nos	10	1400.36	14003.59
94	Providing and fixing CP waste coupling 32 mm dia of aproved make and pattern including removing the old fittigs/pipes and refixing the new fittings and handing over unserviceble materials to departement . All labour materials tools and plants etc complete.	Nos.	20	328.08	6561.62

95	Providing and fixing wash basin of vitreous China 550x440mm of HINDWARE MAKE or equivalent with all accessories etc.(accessories of approved brand such as EECO /Arvee brand)including removing the old fittings/pipes and refixing the new fittings and handing over unserviceable materials to departementcomplete.Alllabour materials tools and plants etc complete.	Nos	10	4378.62	43786.17
96	S/F P.V.C. flushing cistern 10 liters capacity (Master make) or equivalent including fixing to the wall, providing PVC flexible pipe 15 mm dia (18" long) for inlet and providing PVC outlet pipe 32 mm dia(upto 2m length), providing necessary connection to the tank and water closet etc breaking & making good to the wall, including removing the old fittings/pipes and refixing the new fittings and handing over unserviceable materials to departement .All tools, plants, labour & material etc complete	Nos	15	1991.18	29867.72
97	Providing and fixing PVC flexible pipe 15 mm dia (24" long, heavy duty). including removing the old fittings/pipes and refixing the new fittings and handing over unserviceable materials to departement. All labour materials. tools and plants etc complete	Nos	25	203.10	5077.38
98	Providing and fixing PVC flexible pipe 15 mm dia (18" long, heavy duty). including removing the old fittings/pipes and refixing the new fittings and handing over unserviceable materials to departement. All labour materials tools and plants etc complete	Nos	10	178.95	1789.52

99	P/F PVC flexible pipe 32 mm dia for wash basin outlet , including removing the old fittings/pipes and refixing the new fittings and handing over unserviceable materials to departement . All labour materials tools and plants etc complete	Nos	20	123.56	2471.25
100	P/F CP angle cock 15 mm dia approved make and pattern, including removing the old fittings/pipes and refixing the new fittings and handing over unserviceable materials to departement. All labour materials m tools and plants etc complete.	Nos	15	585.14	8777.14
101	P/F CP concealed stop cock 15 mm dia approved make and pattern, including removing the old fittings/pipes and refixing the new fittings and handing over unserviceable materials to departement. All labour, materials , tools and plants etc complete.	Nos	15	842.20	12633.07
102	Providing and fixing wash basin of vitreous China 550x440 mm HINDWARE MAKE OR equivalent with waste coupling, including removing the old pipes and fittings and refixing the new one and returning the unserviceable materials to dept etc. complete. All labour, materials , tools and plants etc complete	Nos	24	3022.28	72534.62
103	Providing and fixing brass float valve 25 mm dia of ONIDA make or equivalent, with necessary specials and ball , including removing the old fittings/pipes and refixing the new fittings and handing over unserviceable materials to departement etc. All labour ,materials , tools and plants etc complete	Nos	12	1327.93	15935.14

104	Providing and fixing brass float valve 50 mm dia of ONIDA make or equivalent, with necessary specials and ball , including removing the old fittings/pipes and refixing the new fittings and handing over unserviceable materials to departement etc. All labour ,materials , tools and plants etc complete	Nos	1	6290.27	6290.27
105	Providing and fixing PVC pipe 32 mm dia (of class 15 kgs/m2) of upto 100 cms for kitchen sink /wash basin outlet pipe with necessary bends like tee , bend ,socket, plug etc and required solution for joining, including removing the old pipes and fittings and refixing the new one and returning the unserviceable materials to dept .All labour , materials , tools. Plants etc complete.	Nos	20	238.60	4771.98
106	Supplying and installation of submersible motor pump set of 5 HP capacity ISI mark KSB brand or any other equivalent approved make/ brand of Model CORA 100-7C/25 + UMAI 100-3.7./22, 440 V, 3 phase, DOL Disch. M3/ hr Range: 4.0, 5.5, 7.0, 8.5, 10.0 Head (M) Range: 150, 138, 120, 95, 55 Max. Pump Dia: 4", Outlet:1.5", or as per the site conditions as required including fixing with necessary accessories. All tools, plants, labour and materials etc. complete.	Nos.	1	68478.52	68478.52
107	Supplying and installation of 50-mm dia HDPE heavy duty riser pipe of single length having ISI mark of FINOLEX or equivalent brand for fixing to the pump described in Item no. 106 above including cutting, fixing laying with all required fittings etc. All tools, plants, labour & material etc. complete.	RM	50	460.62	23031.00

108	Setting of the drill equipment for flushing of the existing bore well mechanically by using DTH rig including of diesel, labour and miscellaneous items, transportation etc. All tools, plants, labour and materials etc. complete.	Nos	1	60996.67	60996.67
109	Repairs to the existing bore well pump by taking up the following works mentioned below. including All labour ,materials ,tools and plants etc complete . complete				
	(a) Removing the existing bore well pump of 5 HP fitted with HDPE Pipe of a depth of about minimum 60 mtrs.	Nos.	2	8126.64	16253.28
	(b) Rewinding the motor of Submersible pump of 5 HP capacity	Nos.	1	10154.75	10154.75
	(c) Repairs to Motor bush	Nos.	1	1847.73	1847.73
	(d) Repairs to Motor test bearing with plate	Nos.	1	3053.52	3053.52
	(e) Repairs to Motor Rotary polish	Nos.	1	4709.53	4709.53
	(f) Repairs to Motor stamping	Nos.	1	1498.35	1498.35
	(g) Repairs to Motor oil seal	Nos.	1	1104.95	1104.95
	(h) Repairs to Motor sleeve	Nos.	1	1262.60	1262.60
	(i) Repairs to Pump impeller	Nos.	1	237.18	237.18
	(j) Repairs to Pump bush	Nos.	1	1815.08	1815.08
	(k) Repairs to Pump assembly shaft	Nos.	1	3076.25	3076.25
	(l) Repairs to Pump head	Nos.	1	4654.14	4654.14
	(m) Repairs to Pump collar	Nos.	1	1183.07	1183.07
	(n) Repairs to Cable joint with water proof tape	Nos.	2	788.24	1576.48
110	Providing temporary scaffolding with bamboo / G.I. pipes in duct portion of Hospital as well as for buildings at colony for replacing damaged water pipeline .				
111	for height between 3.00m-6.20m and width 2.0 metre	Nos.	3	951.95	2855.86
112	for height between 6.21 & 9.20m and width 2.0 metre	Nos.	5	1361.39	6806.96
113	for height between 9.21m & above and width 2.0 metre	Nos.	3	1903.89	5711.68

114	Repairs of RCC tank washout pipe including welding the existing pipe with new G.I.pipe / replacing it with new G.I. pipe of approx 65mm dia along with fittings and accessories, plugging the pipe, sealing of joints etc. , complete	Nos.	10	799.13	7991.28
115	Repairs of RCC tank inlet pipe including chisel the wall surface replacing the old corroded 1" dia approx. G.I. pipe of approx. length 30cm with new G.I. pipe along with fittings and accessories, sealing of joints etc. , complete	Nos.	10	623.11	6231.13
116	Providing/ replacing the damaged 1" dia UPVC /APVC approx. tank connector of HDPE tank with new tank 1" dia approx. A.P.V.C./ U.P.V.C.tank connector including removing and refixing the existing pipe.	Nos.	10	321.16	3211.56
117	Transportation of small plumbing fixtures/fittings, flexible pipes, pumps etc, including shifting of Departmental Fitters, staff's at various point of work including inspection of plumbing systems on any days including Sundays and Holidays, as directed, with 4-wheeler vehicle Jeep , including transportation of Port Officials to Public Work Department Offices, Water Resources Department Offices, Directorate of Health Service Offices, etc. for water supply/ Meter Bills/ renewals/permissions/ water sample testing, etc.	KM	1000	35.57	35574.60

118	Providing and fixing C.I. foot valve of size 200mm/8" dia fixed to the fire fighting electrical /diesel pump including dismantling of MS/GI/CI flanged pipes, lifting from the return face of Berth no 10 at GCB about 5.00 m depth,by means of mechanical means either buy chain pulley or crane etc , dismantling suction pipe etc. replacing the required nos of S.S. nuts ,bolts ,washer if found unserterviceable including taking trial of the pump functioning etc at berth no 10 or at any other place within port area . All labours, materials,hiring of crane if required, tools and plants , etc.	Nos.	1	20303.61	20303.61
119	Repairing CI pump foot valve of size 250 mm dia at MMs Complex by engaging divers for the underwater works with necessary tools and saftyequipments as per the statutory requirements, including dismantling of MS/GI/CI flanged pipes, lifting from the sumpwell,by means of mechanical means either buy chain pulley or crane etc , cleaning the foot valve, replacing foot valve gate sheetwith approved quality leather/rubber sheet reassembling the foot valve dismantling suction pipe etc. replacing the required nos of nuts ,bolts ,washer including taking trial of the pump functioning etc.Alllabours, materials,tools and plants ,including cost of divers etc. complete.	Nos.	1	8000.00	8000.00
TOTAL in Rs.					2553075.70